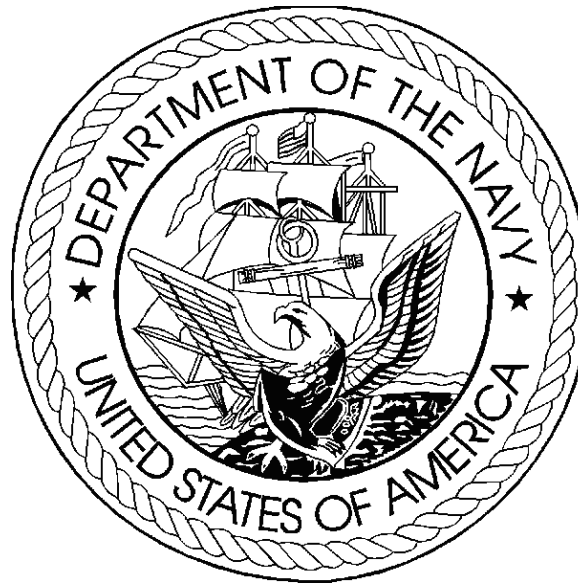


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**Department of Defense
Fiscal Year (FY) 2015 Budget Estimates**

March 2014



Navy

Justification Book Volume 2

Aircraft Procurement, Navy

Budget Activity 05

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Department of Defense Appropriations Act, 2015

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, \$13,074,317,000, to remain available for obligation until September 30, 2017.

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Department of the Navy
FY 2015 President's Budget
Exhibit P-1 FY 2015 President's Budget
Total Obligational Authority
(Dollars in Thousands)

20 Feb 2014

Appropriation -----	FY 2013 (Base & OCO) -----	FY 2014 Base Enacted -----	FY 2014 OCO Enacted -----	FY 2014 Total Enacted -----	FY 2015 Base -----
Aircraft Procurement, Navy	16,652,615	16,442,794	211,176	16,653,970	13,074,317
Total Department of the Navy	16,652,615	16,442,794	211,176	16,653,970	13,074,317

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Department of the Navy
 FY 2015 President's Budget
 Exhibit P-1 FY 2015 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

20 Feb 2014

Appropriation: Aircraft Procurement, Navy

Budget Activity -----	FY 2013 (Base & OCO) -----	FY 2014 Base Enacted -----	FY 2014 OCO Enacted -----	FY 2014 Total Enacted -----	FY 2015 Base -----
01. Combat Aircraft	12,561,242	12,321,903		12,321,903	8,768,693
02. Airlift Aircraft	74,569				
03. Trainer Aircraft	230,403	249,080		249,080	
04. Other Aircraft	387,931	177,284	13,100	190,384	170,398
05. Modification of Aircraft	1,892,020	2,261,773	173,300	2,435,073	2,374,201
06. Aircraft Spares and Repair Parts	1,050,063	965,238	24,776	990,014	1,229,651
07. Aircraft Support Equip & Facilities	456,387	467,516		467,516	531,374
Total Aircraft Procurement, Navy	16,652,615	16,442,794	211,176	16,653,970	13,074,317

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Department of the Navy
FY 2015 President's Budget
Exhibit P-1 FY 2015 President's Budget
Total Obligational Authority
(Dollars in Thousands)

20 Feb 2014

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2013 (Base & OCO) Quantity Cost	FY 2014 Base Enacted Quantity Cost	FY 2014 OCO Enacted Quantity Cost	FY 2014 Total Enacted Quantity Cost	FY 2015 Base Quantity Cost	S e c
Budget Activity 01: Combat Aircraft								

Combat Aircraft								
1	EA-18G	B	12 (967,725)	21 (1,915,365)		21 (1,915,365)	(43,547)	U
	Less: Advance Procurement (PY)		(-28,002)	(-44,941)		(-44,941)		U
			-----	-----	-----	-----	-----	
			939,723	1,870,424		1,870,424	43,547	
2	EA-18G							
	Advance Procurement (CY)		44,941					U
3	F/A-18E/F (Fighter) Hornet	A	37 (2,609,504)	(198,228)		(198,228)	(75,000)	U
	Less: Advance Procurement (PY)		(-58,346)	(-23,677)		(-23,677)	(-75,000)	U
			-----	-----	-----	-----	-----	
			2,551,158	174,551		174,551		
4	F/A-18E/F (Fighter) Hornet							
	Advance Procurement (CY)		23,677	75,000		75,000		U
5	Joint Strike Fighter CV	A	4 (917,052)	4 (1,059,114)		4 (1,059,114)	2 (689,668)	U
	Less: Advance Procurement (PY)		(-109,052)	(-30,699)		(-30,699)	(-79,016)	U
			-----	-----	-----	-----	-----	
			808,000	1,028,415		1,028,415	610,652	
6	Joint Strike Fighter CV							
	Advance Procurement (CY)		30,699	79,016		79,016	29,400	U
7	JSF STOVL		6 (1,211,635)	6 (1,274,559)		6 (1,274,559)	6 (1,303,605)	U
	Less: Advance Procurement (PY)		(-117,214)	(-98,061)		(-98,061)	(-103,195)	U
			-----	-----	-----	-----	-----	
			1,094,421	1,176,498		1,176,498	1,200,410	
8	JSF STOVL							
	Advance Procurement (CY)		98,061	103,195		103,195	143,885	U

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Department of the Navy
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Total Obligational Authority
(Dollars in Thousands)

20 Feb 2014

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2013 (Base & OCO) Quantity Cost	FY 2014 Base Enacted Quantity Cost	FY 2014 OCO Enacted Quantity Cost	FY 2014 Total Enacted Quantity Cost	FY 2015 Base Quantity Cost	S e c
9	V-22 (Medium Lift)		18 (1,404,292)	19 (1,435,731)		19 (1,435,731)	19 (1,546,359)	U
	Less: Advance Procurement (PY)		(-62,020)	(-97,758)		(-97,758)	(-59,359)	U
			1,342,272	1,337,973		1,337,973	1,487,000	
10	V-22 (Medium Lift)							
	Advance Procurement (CY)		144,008	53,113		53,113	45,920	U
11	H-1 Upgrades (UH-1Y/AH-1Z)	A	30 (819,037)	21 (668,945)		21 (668,945)	26 (838,757)	U
	Less: Advance Procurement (PY)		(-56,750)	(-64,311)		(-64,311)	(-60,000)	U
			762,287	604,634		604,634	778,757	
12	H-1 Upgrades (UH-1Y/AH-1Z)							
	Advance Procurement (CY)		64,311	60,000		60,000	80,926	U
13	MH-60S (MYP)	A	18 (436,188)	18 (432,946)		18 (432,946)	8 (246,095)	U
	Less: Advance Procurement (PY)		(-68,805)	(-68,025)		(-68,025)	(-35,886)	U
			367,383	364,921		364,921	210,209	
14	MH-60S (MYP)							
	Advance Procurement (CY)		64,183	30,790		30,790		U
15	MH-60R (MYP)	A	19 (684,418)	19 (704,329)		19 (704,329)	29 (1,131,712)	U
	Less: Advance Procurement (PY)		(-101,274)	(-137,496)		(-137,496)	(-197,830)	U
			583,144	566,833		566,833	933,882	
16	MH-60R (MYP)							
	Advance Procurement (CY)		159,330	212,820		212,820	106,686	U
17	P-8A Poseidon	A	13 (2,529,396)	16 (3,347,044)		16 (3,347,044)	8 (2,166,487)	U
	Less: Advance Procurement (PY)		(-244,894)	(-300,679)		(-300,679)	(-163,160)	U
			2,284,502	3,046,365		3,046,365	2,003,327	
18	P-8A Poseidon							
	Advance Procurement (CY)		300,679	313,160		313,160	48,457	U

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Department of the Navy
FY 2015 President's Budget
Exhibit P-1 FY 2015 President's Budget
Total Obligational Authority
(Dollars in Thousands)

20 Feb 2014

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2013 (Base & OCO) Quantity Cost	FY 2014 Base Enacted Quantity Cost	FY 2014 OCO Enacted Quantity Cost	FY 2014 Total Enacted Quantity Cost	FY 2015 Base Quantity Cost	S e c
19	E-2D Adv Hawkeye	A	5 (933,389)	5 (1,083,588)		5 (1,083,588)	4 (945,370)	U
	Less: Advance Procurement (PY)		(-157,942)	(-123,016)		(-123,016)	(-125,500)	U
			775,447	960,572		960,572	819,870	
20	E-2D Adv Hawkeye							
	Advance Procurement (CY)		123,016	263,623		263,623	225,765	U
Total Combat Aircraft			12,561,242	12,321,903		12,321,903	8,768,693	
Budget Activity 02: Airlift Aircraft								
Airlift Aircraft								
21	C-40A	A	1 74,569					U
Total Airlift Aircraft			74,569					
Budget Activity 03: Trainer Aircraft								
Trainer Aircraft								
22	JPATS	A	33 230,403	29 249,080		29 249,080		U
Total Trainer Aircraft			230,403	249,080		249,080		
Budget Activity 04: Other Aircraft								
Other Aircraft								
23	KC-130J	A	3 (209,100)	1 (79,673)		1 (79,673)	1 (106,905)	U
	Less: Advance Procurement (PY)			(-10,615)		(-10,615)	(-14,615)	U
			209,100	69,058		69,058	92,290	
24	KC-130J							
	Advance Procurement (CY)		21,230	32,288		32,288		U

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Department of the Navy
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20 Feb 2014

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2013 (Base & OCO) Quantity Cost	FY 2014 Base Enacted Quantity Cost	FY 2014 OCO Enacted Quantity Cost	FY 2014 Total Enacted Quantity Cost	FY 2015 Base Quantity Cost	S e c
25	MQ-4 TRITON	A		(47,200)		(47,200)		U
	Less: Advance Procurement (PY)			(-47,200)		(-47,200)		U
26	MQ-4 TRITON							
	Advance Procurement (CY)		47,200				37,445	U
27	MQ-8 UAV	B	5 110,401	1 60,980	1 13,100	2 74,080	40,663	U
28	Other Support Aircraft			1 14,958		1 14,958		U
Total	Other Aircraft		387,931	177,284	13,100	190,384	170,398	

Budget Activity 05: Modification of Aircraft

Modification of Aircraft

29	EA-6 Series	A	25,288	17,477		17,477	10,993	U
30	AEA Systems		42,310	44,802		44,802	34,768	U
31	AV-8 Series	A	74,933	39,229	57,652	96,881	65,472	U
32	Adversary	A	3,959	2,992		2,992	8,418	U
33	F-18 Series	A	629,206	725,912	35,500	761,412	679,177	U
34	H-46 Series	A	2,274	2,127		2,127	480	U
35	AH-1W Series	A	6,645					U
36	H-53 Series	A	34,736	60,581		60,581	38,159	U
37	SH-60 Series	A	94,311	121,018		121,018	108,850	U
38	H-1 Series	A	6,208	41,706		41,706	45,033	U
39	EP-3 Series	A	76,420	71,347	2,700	74,047	32,890	U
40	P-3 Series	A	114,475	36,788		36,788	2,823	U

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20 Feb 2014

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2013 (Base & OCO) Quantity Cost	FY 2014 Base Enacted Quantity Cost	FY 2014 OCO Enacted Quantity Cost	FY 2014 Total Enacted Quantity Cost	FY 2015 Base Quantity Cost	S e c
41	E-2 Series	A	16,234	26,233		26,233	21,208	U
42	Trainer A/C Series	A	24,718	4,166		4,166	12,608	U
43	C-2A	A	4,571	902		902		U
44	C-130 Series	A	50,109	46,393		46,393	40,378	U
45	FEWSG	A	669	665		665	640	U
46	Cargo/Transport A/C Series	A	15,608	14,587		14,587	4,635	U
47	E-6 Series	A	140,159	157,549		157,549	212,876	U
48	Executive Helicopters Series	A	41,610	80,537		80,537	71,328	U
49	Special Project Aircraft	A	14,072	13,684	3,375	17,059	21,317	U
50	T-45 Series	A	45,354	93,128		93,128	90,052	U
51	Power Plant Changes	A	14,630	22,999		22,999	19,094	U
52	JPATS Series	A	1,550	1,576		1,576	1,085	U
53	Aviation Life Support Mods	A	2,347	6,267		6,267		U
54	Common ECM Equipment	A	106,512	128,893	49,183	178,076	155,644	U
55	Common Avionics Changes	A	92,461	115,683	4,190	119,873	157,531	U
56	Common Defensive Weapon System	A		3,554		3,554	1,958	U
57	ID Systems	A	35,386	38,303		38,303	38,880	U
58	P-8 Series		4,895	9,485		9,485	29,797	U
59	MAGTF EW for Aviation	A	34,407	13,431	20,700	34,131	14,770	U
60	MQ-8 Series						8,741	U
61	RQ-7 Series		47,102	22,117		22,117	2,542	U

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Total Obligational Authority
(Dollars in Thousands)

20 Feb 2014

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2013 (Base & OCO) Quantity Cost	FY 2014 Base Enacted Quantity Cost	FY 2014 OCO Enacted Quantity Cost	FY 2014 Total Enacted Quantity Cost	FY 2015 Base Quantity Cost	S e c
62	V-22 (Tilt/Rotor ACFT) Osprey	B	88,861	156,534		156,534	135,584	U
63	F-35 STOVL Series	A		111,158		111,158	285,968	U
64	F-35 CV Series	A		29,950		29,950	20,502	U
Total Modification of Aircraft			1,892,020	2,261,773	173,300	2,435,073	2,374,201	
Budget Activity 06: Aircraft Spares and Repair Parts								
Aircraft Spares and Repair Parts								
65	Spares and Repair Parts	A	1,050,063	965,238	24,776	990,014	1,229,651	U
Total Aircraft Spares and Repair Parts			1,050,063	965,238	24,776	990,014	1,229,651	
Budget Activity 07: Aircraft Support Equip & Facilities								
Aircraft Support Equip & Facilities								
66	Common Ground Equipment	A	354,896	346,987		346,987	418,355	U
67	Aircraft Industrial Facilities	A	19,676	24,250		24,250	23,843	U
68	War Consumables	A	43,326	28,930		28,930	15,939	U
69	Other Production Charges	A	3,492	5,268		5,268	5,630	U
70	Special Support Equipment	A	32,231	60,306		60,306	65,839	U
71	First Destination Transportation	A	1,597	1,775		1,775	1,768	U
72	Cancelled Account Adjustments	A	1,169					U
Total Aircraft Support Equip & Facilities			456,387	467,516		467,516	531,374	
Total Aircraft Procurement, Navy			16,652,615	16,442,794	211,176	16,653,970	13,074,317	

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Common Ground Equipment	0705	66	07	01.....	Volume 3 - 1
E-2 Series	0544	41	05	01.....	Volume 2 - 487
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EA-18G, Advance Procurement	0143	2	01	01.....	Volume 1 - 5
EA-6 Series	0511	29	05	01.....	Volume 2 - 1
EP-3 Series	0537	39	05	01.....	Volume 2 - 409
Executive Helicopters Series	0566	48	05	01.....	Volume 2 - 709
F-18 Series	0525	33	05	01.....	Volume 2 - 75
F-35 CV Series	0593	64	05	01.....	Volume 2 - 1069
F-35 STOVL Series	0592	63	05	01.....	Volume 2 - 1051
FA-18E/F	0145	3	01	01.....	Volume 1 - 9
FA-18E/F, Advance Procurement	0145	4	01	01.....	Volume 1 - 13
First Destination Transportation	0740	71	07	01.....	Volume 3 - 41
Flt Elect Wrfr Supt Grp (FEWSG)	0561	45	05	01.....	Volume 2 - 615
H-1 Series	0532	38	05	01.....	Volume 2 - 375
H-46 Series	0526	34	05	01.....	Volume 2 - 215
H-53 Series	0528	36	05	01.....	Volume 2 - 257
ID Sys	0582	57	05	01.....	Volume 2 - 939
JSF STOVL	0152	7	01	01.....	Volume 1 - 25
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KC-130J	0416	23	04	01.....	Volume 1 - 93
KC-130J, Advance Procurement	0416	24	04	01.....	Volume 1 - 97
MAGTF EW for Aviation	0587	59	05	01.....	Volume 2 - 969
MH-60R	0182	15	01	01.....	Volume 1 - 61
MH-60R, Advance Procurement	0182	16	01	01.....	Volume 1 - 65
MH-60S (MYP)	0179	13	01	01.....	Volume 1 - 53
MH-60S (MYP), Advance Procurement	0179	14	01	01.....	Volume 1 - 57
MQ-4 TRITON	0442	25	04	01.....	Volume 1 - 101
MQ-4 TRITON, Advance Procurement	0442	26	04	01.....	Volume 1 - 105
MQ-8 Series	0588	60	05	01.....	Volume 2 - 981
MQ-8 UAV	0443	27	04	01.....	Volume 1 - 109
Other Production Charges	0725	69	07	01.....	Volume 3 - 37
Other Support Aircraft	0465	28	04	01.....	Volume 1 - 113
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Special Project Acft	0567	49	05	01.....	Volume 2 - 755
Special Support Equipment	0735	70	07	01.....	Volume 3 - 39
T-45 Series	0569	50	05	01.....	Volume 2 - 769
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UH-1Y/AH-1Z	0178	11	01	01.....	Volume 1 - 41
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E-2 Series	0544	41	05	01.....	Volume 2 - 487
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H-1 Series	0532	38	05	01..... Volume 2 -	375
H-46 Series	0526	34	05	01..... Volume 2 -	215
H-53 Series	0528	36	05	01..... Volume 2 -	257
ID Sys	0582	57	05	01..... Volume 2 -	939
JT Primary Acft Trnr Sys (JPATS)	0571	52	05	01..... Volume 2 -	819
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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,333.108	25.288	17.477	10.993	-	10.993	9.903	5.037	3.762	0.431	-	3,405.999
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	3,333.108	25.288	17.477	10.993	-	10.993	9.903	5.037	3.762	0.431	-	3,405.999
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,333.108	25.288	17.477	10.993	-	10.993	9.903	5.037	3.762	0.431	-	3,405.999
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 employed in both Navy and Marine Corps squadrons to provide DoD tactical electronic attack capability. Modifications budgeted and programmed include: procurement of Improved Capability III (ICAP III) block upgrades and installation, avionics upgrades and installation, mission planning upgrades and installation, missile control modifications, and readiness initiatives to ensure EA-6B viability in an ever-changing threat environment.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)	P-3a		-	-	1,118.872	-	-	12.988	-	-	12.020	-	-	7.211	-	-	-	-	-	7.211
P-3a - 2 / ICAP III (001-01)	P-3a		-	-	494.960	-	-	12.300	-	-	5.457	-	-	3.782	-	-	-	-	-	3.782
P-3a - 3 / INACTIVE OSIPS	P-3a		-	-	1,719.276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	3,333.108	-	-	25.288	-	-	17.477	-	-	10.993	-	-	-	-	-	10.993

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)	P-3a		-	-	6.058	-	-	2.952	-	-	2.260	-	-	0.431	-	-	-	-	-	1,162.792	
P-3a - 2 / ICAP III (001-01)	P-3a		-	-	3.845	-	-	2.085	-	-	1.502	-	-	-	-	-	-	-	523.931		
P-3a - 3 / INACTIVE OSIPS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,719.276		
Total Gross/Weapon System Cost			-	-	9.903	-	-	5.037	-	-	3.762	-	-	0.431	-	-	-	-	3,405.999		
*For the P-3a, Title represents the Modification Number / Title.																					
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 jamming platform. The aircraft are 40+ years old. Considerable modifications are required in two basic catagories 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 outdated software and techniques. Modifications are required to meet and defeat multiple threat signatures as AEA methodologies change. Modifications are required to keep the aircraft flying safely as it ages. Fatigue Life Expended (FLE), advanced corrosion, and tired iron must be addressed and repaired. This OSIP is required to operate and maintain the aircraft and its systems/subsystems until the platform is retired.																					

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,118.872	12.988	12.020	7.211	-	7.211	6.058	2.952	2.260	0.431	-	1,162.792
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,118.872	12.988	12.020	7.211	-	7.211	6.058	2.952	2.260	0.431	-	1,162.792
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,118.872	12.988	12.020	7.211	-	7.211	6.058	2.952	2.260	0.431	-	1,162.792
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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⁾	32 / 1.000	50 / 2.780	46 / 2.510	26 / 1.430	- / -	26 / 1.430	24 / 1.342	- / -	- / -	- / -	- / -	178 / 9.062	
1.1.6) AIRCRAFT AVIONICS - NonOrganic	32 / 1.000	50 / 2.400	46 / 2.100	26 / 1.200	- / -	26 / 1.200	24 / 1.127	- / -	- / -	- / -	- / -	178 / 7.827	
1.1.7) AIRCRAFT STRUCTURES - NonOrganic	32 / 1.000	46 / 2.286	40 / 1.993	20 / 1.013	- / -	20 / 1.013	15 / 0.773	- / -	- / -	- / -	- / -	153 / 7.065	
1.1.8) Emergent Safety Requirements - Organic ⁽²⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.727	- / 1.879	- / 0.431	- / -	- / 4.037	
1.1.9) Archive Modifications - Organic	4,198 / 599.798	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4,198 / 599.798	
Subtotal: Recurring	- / 602.798	- / 7.466	- / 6.603	- / 3.643	- / -	- / 3.643	- / 3.242	- / 1.727	- / 1.879	- / 0.431	- / -	- / 627.789	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	4 / 56.660	- / 2.518	- / 1.085	- / 0.617	- / -	- / 0.617	- / 0.629	- / -	- / -	- / -	- / -	4 / 61.509	
Subtotal: Non-Recurring	- / 56.660	- / 2.518	- / 1.085	- / 0.617	- / -	- / 0.617	- / 0.629	- / -	- / -	- / -	- / -	- / 61.509	
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)	6,426 / 847.244	146 / 9.984	132 / 7.688	72 / 4.260	- / -	72 / 4.260	63 / 3.871	- / 1.727	- / 1.879	- / 0.431	- / -	6,839 / 877.084	
Subtotal: Procurement, All Modification Items	- / 847.244	- / 9.984	- / 7.688	- / 4.260	- / -	- / 4.260	- / 3.871	- / 1.727	- / 1.879	- / 0.431	- / -	- / 877.084	
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	- / 17.173	- / 0.150	- / 0.110	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.433	
3.5) ILS	- / 5.137	- / 1.400	- / 1.467	- / 0.571	- / -	- / 0.571	- / 0.590	- / -	- / -	- / -	- / -	- / 9.165	
3.6) Other Support ⁽³⁾	- / 83.669	- / 0.704	- / 0.565	- / 0.400	- / -	- / 0.400	- / 0.457	- / 0.340	- / 0.381	- / -	- / -	- / 86.516	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	- / 0.504	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.504	
3.8) PRIOR YR INSTALLATION COST	1,473 / 136.461	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,473 / 136.461	
<i>Subtotal: Support</i>	<i>- / 271.628</i>	<i>- / 2.254</i>	<i>- / 2.142</i>	<i>- / 0.971</i>	<i>- / -</i>	<i>- / 0.971</i>	<i>- / 1.047</i>	<i>- / 0.340</i>	<i>- / 0.381</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 278.763</i>	
Installation													
<i>Modification Item 1 of 1:</i> EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)	<i>- / 0.000</i>	<i>- / 0.750</i>	<i>- / 2.190</i>	<i>- / 1.980</i>	<i>- / -</i>	<i>- / 1.980</i>	<i>- / 1.140</i>	<i>- / 0.885</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 6.945</i>	
<i>Subtotal: Installation</i>	<i>- / 0.000</i>	<i>- / 0.750</i>	<i>- / 2.190</i>	<i>- / 1.980</i>	<i>- / -</i>	<i>- / 1.980</i>	<i>- / 1.140</i>	<i>- / 0.885</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 6.945</i>	
Total													
Total Cost (Procurement + Support + Installation)	1,118.872	12.988	12.020	7.211	-	7.211	6.058	2.952	2.260	0.431	-	1,162.792	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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)													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: Commercial - Avionics / Aircraft Systems								Manufacturer Location: >TBD					
Administrative Leadtime (<i>in Months</i>): 6								Production Leadtime (<i>in Months</i>): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Mar 2013	Mar 2014	Mar 2015	Mar 2016									
Delivery Dates	Dec 2013	Oct 2014	Oct 2015	Oct 2016									
Manufacturer Name: Commercial - Aircraft Structures								Manufacturer Location: >TBD					
Administrative Leadtime (<i>in Months</i>): 6								Production Leadtime (<i>in Months</i>): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Mar 2013	Mar 2014	Mar 2015	Mar 2016									
Delivery Dates	Dec 2013	Oct 2014	Oct 2015	Oct 2016									
Installation Information													
Method of Implementation: Depot Field Mod Team : Installation Name: Avionics / Aircraft Systems													
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	- / -	64 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	64 / 0.500	
FY 2013	- / -	- / -	100 / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 1.500	
FY 2014	- / -	- / -	- / -	92 / 1.380	- / -	92 / 1.380	- / -	- / -	- / -	- / -	- / -	92 / 1.380	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	52 / 0.840	- / -	- / -	- / -	- / -	52 / 0.840	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.660	- / -	- / -	- / -	48 / 0.660	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	- / -	64 / 0.500	100 / 1.500	92 / 1.380	- / -	92 / 1.380	52 / 0.840	48 / 0.660	- / -	- / -	- / -	356 / 4.880	

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014										
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)																																	
Modification Item MDAP/MAIS Code:																																	
Installation Information																																	
Method of Implementation: Depot Field Mod Team : Installation Name: Avionics / Aircraft Systems																																	
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019							
		Q1	Q2	Q3	Q4	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	-	-	20	22	22	26	26	24	24	24	24	22	22	14	14	12	12	12	12	12	12	-	-	-	-	-	-	-	-	-	356		
Out	-	-	20	22	22	26	26	24	24	24	24	22	22	14	14	12	12	12	12	12	12	-	-	-	-	-	-	-	-	-	356		
Method of Implementation: DEPOT FIELD MOD TEAM : Installation Name: AIRCRAFT STRUCTURES																																	
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		- / -	32 / 0.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.250																				
FY 2013		- / -	- / -	46 / 0.690	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 0.690																				
FY 2014		- / -	- / -	- / -	40 / 0.600	- / -	40 / 0.600	- / -	- / -	- / -	- / -	- / -	40 / 0.600																				
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.300	- / -	- / -	- / -	- / -	20 / 0.300																				
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.225	- / -	- / -	- / -	15 / 0.225																				
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
Total		- / -	32 / 0.250	46 / 0.690	40 / 0.600	- / -	40 / 0.600	20 / 0.300	15 / 0.225	- / -	- / -	- / -	153 / 2.065																				
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019							
		Q1	Q2	Q3	Q4	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	-	-	10	11	11	12	12	11	11	10	10	10	10	5	5	5	5	4	4	4	3	-	-	-	-	-	-	-	-	-	153		
Out	-	-	10	11	11	12	12	11	11	10	10	10	10	5	5	5	5	4	4	4	3	-	-	-	-	-	-	-	-	-	153		
Method of Implementation (Organic): Not Installed - Archive Modifications																																	
																							Installation Quantity: 4198										

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Installation Kits N/R		Installation Quantity: 4
Method of Implementation (Organic): Not Installed - Archive Modifications		Installation Quantity: 2128
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 15
Method of Implementation (Organic): Not Installed - PRIOR YR INSTALLATION COST		Installation Quantity: 1473
Footnotes: ⁽¹⁾ In FY13-16 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 Harvest engineering and modernization kits are an emerging requirement. The cost to modernize the CWS varies depends on condition. Across the FYDP (FY14-16), the mix of kits being purchased causes a variation in the yearly unit cost on the Aircraft Systems, Aircraft Avionics, and Aircraft Structures. ⁽²⁾ 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. ⁽³⁾ Other Support includes field activity and depot support required to manage modification efforts.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ <i>in Millions</i>)	494.960	12.300	5.457	3.782	-	3.782	3.845	2.085	1.502	-	-	523.931
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	494.960	12.300	5.457	3.782	-	3.782	3.845	2.085	1.502	-	-	523.931
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	494.960	12.300	5.457	3.782	-	3.782	3.845	2.085	1.502	-	-	523.931
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Description:

This Operational and Safety Improvement Program covers the EA-6B Improved Capabilities III (ICAP III) system modifications to install radar and improve communication receivers, displays, and connectivity. This modification removed over 70 aging and unreliable Weapons Replaceable Assemblies. 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 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. The plan to mature all 32 ICAP III to full potential consists of block upgrades with deliveries approximately 24 months apart. 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 capability improvements and to address obsolescence issues. Hardware modification kits include Multi-functional Information Distribution System, MATT replacement, Cryptological mod kits, ARN-153 Tactical Air Navigational System, IRC AIC-45 Intercom improvements, and associated hardware for future block improvements to correct critical deficiencies in detection & identification of radar threats in 21st Century Electronic Warfare Environments.

MISSION PLANNING ENVIRONMENT (MPE): MPE requirements include upgrades to the MPE baseline as improvements via ICAP III block upgrades arise. MPE requires framework integration upgrades to avoid Microsoft Operating System obsolescence and out of cycle technology refresh of Mission Planning laptops in a Windows 7 environment.

JAMMER MANAGEMENT REHOST (JMR):

Rehosting of mission software in Higher Order Language provides a significant reduction in cycle time and allows timely response to evolving threats. JMR reduces maintenance costs for future mission software updates, enables additional jammer control unachievable with current code, and greatly enhances our ability to respond to changing world threats at significantly reduced cost.

HARM BLOCK 5A MISSILE CONTROL: All High Speed Anti-Radiation Missile (HARM) Block 5 missiles in the fleet are being converted to Block 5A. EA-6B aircraft requires software and control panel modifications as well as integration efforts for HARM Block 5A missile control.

Additional outyear funds are provided to ensure aircraft mission systems readiness and reliability to counter increasingly sophisticated and agile threats to Fleet and Operating Forces throughout the remaining airframe service. These must be applied to all ICAP II and ICAP III systems, to include; the avionics, mission system hardware, mission system software, mission planning environment, and all other aircraft mission sub-systems.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
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 test period, completion of an Operational Assessment and an LRIP decision, an Low Rate Initial Production contract was 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.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽⁴⁾	92 / 5.700	66 / 3.100	32 / 1.550	32 / 2.114	- / -	32 / 2.114	32 / 2.156	- / -	- / -	- / -	- / -	254 / 14.620	
1.1.3) Emergent Safety Requirements - Organic ⁽⁵⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.085	- / 1.002	- / -	- / -	- / 2.087	
Subtotal: Recurring	- / 332.778	- / 3.100	- / 1.550	- / 2.114	- / -	- / 2.114	- / 2.156	- / 1.085	- / 1.002	- / -	- / -	- / 343.785	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 5.972	- / 1.500	- / 0.850	- / 0.300	- / -	- / 0.300	- / 0.305	- / -	- / -	- / -	- / -	- / 8.927	
Subtotal: Non-Recurring	- / 5.972	- / 1.500	- / 0.850	- / 0.300	- / -	- / 0.300	- / 0.305	- / -	- / -	- / -	- / -	- / 8.927	
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)	122 / 352.828	66 / 4.600	32 / 2.400	32 / 2.414	- / -	32 / 2.414	32 / 2.461	- / 1.085	- / 1.002	- / -	- / -	284 / 366.790	
Subtotal: Procurement, All Modification Items	- / 352.828	- / 4.600	- / 2.400	- / 2.414	- / -	- / 2.414	- / 2.461	- / 1.085	- / 1.002	- / -	- / -	- / 366.790	
Support (All Modification Items)													
3.1) Integration	- / -	- / 2.760	- / 1.000	- / 0.150	- / -	- / 0.150	- / 0.150	- / -	- / -	- / -	- / -	- / 4.060	
3.2) Engineering Change Orders	- / -	- / -	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	
3.3) Data	- / 1.458	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.458	
3.4) Training Equipment	2 / 79.118	10 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 79.618	
3.5) Support Equipment	- / 18.249	- / 0.600	- / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.999	
3.6) ILS	- / 5.615	- / 0.600	- / 0.600	- / 0.446	- / -	- / 0.446	- / 0.458	- / 0.300	- / 0.300	- / -	- / -	- / 8.319	
3.7) Other Support ⁽⁶⁾	- / 37.634	- / 1.940	- / 0.267	- / 0.272	- / -	- / 0.272	- / 0.276	- / 0.200	- / 0.200	- / -	- / -	- / 40.789	
3.8) Interim Contractor Support	- / 0.058	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.058	
Subtotal: Support	- / 142.132	- / 6.400	- / 2.217	- / 0.868	- / -	- / 0.868	- / 0.884	- / 0.500	- / 0.500	- / -	- / -	- / 153.501	
Installation													

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)	- / 0.000	- / 1.300	- / 0.840	- / 0.500	- / -	- / 0.500	- / 0.500	- / 0.500	- / -	- / -	- / -	- / 3.640
Subtotal: Installation	- / 0.000	- / 1.300	- / 0.840	- / 0.500	- / -	- / 0.500	- / 0.500	- / 0.500	- / -	- / -	- / -	- / 3.640
Total												
Total Cost (Procurement + Support + Installation)	494.960	12.300	5.457	3.782	-	3.782	3.845	2.085	1.502	-	-	523.931

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Commercial / SPAWAR-Avionics															Manufacturer Location: >San Diego, CA																
Administrative Leadtime (in Months): 6															Production Leadtime (in Months): 6																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Mar 2013				Mar 2014				Mar 2015				Mar 2016																	
Delivery Dates		Oct 2013				Oct 2014				Oct 2015				Oct 2016																	
Installation Information																															
Method of Implementation: DEPOT FIELD MOD TEAM : Installation Name: AVIONICS																															
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	92	/	1.300			
FY 2013		-	/	-	-	/	-	66	/	0.840	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	66	/	0.840			
FY 2014		-	/	-	-	/	-	32	/	0.500	-	/	-	32	/	0.500	-	/	-	-	/	-	-	/	-	32	/	0.500			
FY 2015		-	/	-	-	/	-	-	/	-	-	/	-	32	/	0.500	-	/	-	-	/	-	-	/	-	32	/	0.500			
FY 2016		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	32	/	0.500	-	/	-	-	/	-	32	/	0.500			
FY 2017		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
FY 2018		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
FY 2019		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
To Complete		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
Total		-	/	-	92	/	1.300	66	/	0.840	32	/	0.500	-	/	-	32	/	0.500	32	/	0.500	32	/	0.500	-	/	-	254	/	3.640
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	23	23	23	23	16	16	17	17	8	8	8	8	8	8	8	8	8	8	8	8	-	-	-	-	-	-	-	-	-	254
Out	-	23	23	23	23	16	16	17	17	8	8	8	8	8	8	8	8	8	8	8	8	-	-	-	-	-	-	-	-	-	254
Method of Implementation (Organic): Not Installed - Archived ECPs																				Installation Quantity: 30											
Method of Implementation (Organic): Not Installed - Training Equipment																				Installation Quantity: 12											

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Footnotes:

(4) The cost growth within the Avionics cost element is due to the requirement becoming more defined and the combination of software/hardware kits being purchased (IRC, MIDs, USB-ENTR, etc.)

(5) 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.

(6) 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,719.276	-	-	-	-	-	-	-	-	-	-	1,719.276
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,719.276	-	-	-	-	-	-	-	-	-	-	1,719.276
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,719.276	-	-	-	-	-	-	-	-	-	-	1,719.276
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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: INACTIVE OSIPS													
A Kits													
Recurring													
1.1.1) INACTIVE OSIPS - Organic	- / 1,719.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,719.276	
Subtotal: Recurring	- / 1,719.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,719.276	
Subtotal: INACTIVE OSIPS	- / 1,719.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,719.276	
Subtotal: Procurement, All Modification Items	- / 1,719.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,719.276	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	1,719.276	-	-	-	-	-	-	-	-	-	-	1,719.276	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy	Date: March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	111.966	42.310	44.802	34.768	-	34.768	20.074	39.176	38.974	39.131	204.599	575.800
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	111.966	42.310	44.802	34.768	-	34.768	20.074	39.176	38.974	39.131	204.599	575.800
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	111.966	42.310	44.802	34.768	-	34.768	20.074	39.176	38.974	39.131	204.599	575.800
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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, Airborne Electronic Attack Expendable upgrades and integration, 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.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Airborne Electronic Attack (AEA) Systems (OSIP 007-11)	P-3a		-	-	104.266	-	-	42.310	-	-	36.002	-	-	34.768	-	-	-	-	-	34.768
P-3a - 2 / Area Chaff Dispenser (OSIP 012-14)	P-3a		-	-	0.000	-	-	-	-	-	8.800	-	-	-	-	-	-	-	-	-
P-3a - 3 / INACTIVE OSIPS	P-3a		-	-	7.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	111.966	-	-	42.310	-	-	44.802	-	-	34.768	-	-	-	-	-	34.768

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy															Date: March 2014					
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		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Airborne Electronic Attack (AEA) Systems (OSIP 007-11)	P-3a		-	-	20.074	-	-	39.176	-	-	38.974	-	-	39.131	-	-	144.610	-	-	499.311
P-3a - 2 / Area Chaff Dispenser (OSIP 012-14)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.989	-	-	68.789
P-3a - 3 / INACTIVE OSIPS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.700
Total Gross/Weapon System Cost			-	-	20.074	-	-	39.176	-	-	38.974	-	-	39.131	-	-	204.599	-	-	575.800
*For the P-3a, Title represents the Modification Number / Title.																				
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																				
Justification: 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. Modifications to ALE-43 are required to transition the Bulk Chaff capability from the EA-6B Prowler platform to the F/A-18E/F platform. 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. In FY14, the Area Chaff Dispenser (ALE-43) program was moved from OSIP 007-11 to OSIP 012-14.																				

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	104.266	42.310	36.002	34.768	-	34.768	20.074	39.176	38.974	39.131	144.610	499.311
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	104.266	42.310	36.002	34.768	-	34.768	20.074	39.176	38.974	39.131	144.610	499.311
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	104.266	42.310	36.002	34.768	-	34.768	20.074	39.176	38.974	39.131	144.610	499.311

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

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 is required for integration of the ALQ-99 onto the EA-18G. Price growth in excess of OSD approved indicies in FY14 is due to decreased quantity and step-ladder pricing of the firm fixed price contracts.

The Band 5/6 Transmitter inventory has historically remained below inventory objective level. Reconstitution of reclaimed United States Air Force (USAF) EF-111 Band 5/6 transmitters to United States Navy (USN) configuration will alleviate significant inventory shortfall 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 new 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, LBT AG, Band 4 Transmitters, Band 5/6 Transmitters, Band 9/10 Transmitters, and Bands 7-8 Transmitters. Additionally, funds will provide for the re-engineering of depot support equipment in order to resolve ALQ-99 readiness degraders.

ENGINEERING CHANGES: 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, including the Area Chaff Dispenser (ALE-43), to address increased mission requirements and emerging threats in support of EA-6B, EA-18G, FA-18 Series, AV-8B, and rotary aircraft.

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.

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

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 2015 Navy			Date: March 2014
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 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) EXTENDED LOW BAND RADOME (GELBR) - Organic ⁽¹⁾	28 / 3.374	- / -	18 / 2.437	25 / 3.439	- / -	25 / 3.439	22 / 3.081	24 / 3.421	17 / 2.477	24 / 3.547	- / -	158 / 21.776	
2.1.3) BAND 5/6 TRANSMITTER - Organic	- / -	- / -	4 / 4.800	6 / 7.337	- / -	6 / 7.337	- / -	8 / 10.137	6 / 7.740	6 / 7.879	- / -	30 / 37.893	
2.1.10) HARDBACK - Organic	- / -	- / -	- / -	20 / 8.152	- / -	20 / 8.152	6 / 2.490	23 / 9.717	27 / 11.612	25 / 10.945	- / -	101 / 42.916	
2.1.12) LOW BAND TRANSMITTER - Organic ⁽²⁾	54 / 72.054	22 / 28.246	8 / 9.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	84 / 110.140	
Subtotal: Recurring	- / 75.428	- / 28.246	- / 17.077	- / 18.928	- / -	- / 18.928	- / 5.571	- / 23.275	- / 21.829	- / 22.371	- / -	- / 212.725	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽³⁾	- / 13.256	- / 4.019	- / 7.695	- / 7.058	- / -	- / 7.058	- / 6.975	- / 6.977	- / 7.208	- / 7.087	- / 72.676	- / 132.951	
Subtotal: Non-Recurring	- / 13.256	- / 4.019	- / 7.695	- / 7.058	- / -	- / 7.058	- / 6.975	- / 6.977	- / 7.208	- / 7.087	- / 72.676	- / 132.951	
Subtotal: Airborne Electronic Attack (AEA) Systems (OSIP 007-11)	82 / 88.684	22 / 32.265	30 / 24.772	51 / 25.986	- / -	51 / 25.986	28 / 12.546	55 / 30.252	50 / 29.037	55 / 29.458	- / 72.676	373 / 345.676	
Subtotal: Procurement, All Modification Items	- / 88.684	- / 32.265	- / 24.772	- / 25.986	- / -	- / 25.986	- / 12.546	- / 30.252	- / 29.037	- / 29.458	- / 72.676	- / 345.676	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 5.937	- / 3.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.937	
3.2) Data ⁽⁴⁾	- / 0.027	- / 0.047	- / 0.069	- / 0.079	- / -	- / 0.079	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.622	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment ⁽⁵⁾	- / 3.270	- / 2.861	- / 6.247	- / 3.692	- / -	- / 3.692	- / 2.313	- / 3.656	- / 3.761	- / 3.410	- / 14.582	- / 43.792	
3.5) ILS ⁽⁶⁾	- / 5.847	- / 2.963	- / 3.187	- / 3.323	- / -	- / 3.323	- / 3.323	- / 3.344	- / 4.218	- / 4.273	- / 38.011	- / 68.489	
3.6) Other Support ⁽⁷⁾	- / 0.501	- / 1.174	- / 1.727	- / 1.688	- / -	- / 1.688	- / 1.792	- / 1.824	- / 1.858	- / 1.890	- / 19.341	- / 31.795	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 15.582	- / 10.045	- / 11.230	- / 8.782	- / -	- / 8.782	- / 7.528	- / 8.924	- / 9.937	- / 9.673	- / 71.934	- / 153.635	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	104.266	42.310	36.002	34.768	-	34.768	20.074	39.176	38.974	39.131	144.610	499.311	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - EXTENDED LOW BAND RADOME (GELBR)					Installation Quantity: 158		
Method of Implementation (Organic): Not Installed - BAND 5/6 TRANSMITTER					Installation Quantity: 30		
Method of Implementation (Organic): Not Installed - HARDBACK					Installation Quantity: 101		
Method of Implementation (Organic): Organic - LOW BAND TRANSMITTER					Installation Quantity: 84		
Footnotes: (1) Extended Low Band Radome (GELBR) unit cost growth in excess of OSD approved indices in FY 2014 and FY 2018 is due to decreased quantities and step-ladder pricing of the firm fixed price contract. (2) Low Band Transmitter unit cost growth in excess of OSD approved indices in FY14 is due to decreased quantities and step-ladder pricing of the firm fixed price contract. (3) Installation Equipment N/R growth from FY 2013 to FY 2014 in excess of approved OSD inflation indices is due to engineering effort required to commence production of Hardbacks and Band 5/6 Transmitters in FY 2014. (4) Data cost growth in excess of approved OSD inflation indices is due to increased data requirements as a result of increased non-recurring engineering efforts. (5) Cost growth in excess of approved OSD inflation indices is due to procurement of re-engineered support equipment. (6) ILS cost growth in excess of approved OSD indices is due to increased requirements due to Band 4 and Band 5/6 obsolescence mitigation. (7) Other support cost growth in excess of approved OSD inflation indices is due to phasing of obsolescence mitigation efforts in FY14.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	-	8.800	-	-	-	-	-	-	-	59.989	68.789
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	8.800	-	-	-	-	-	-	-	59.989	68.789
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	8.800	-	-	-	-	-	-	-	59.989	68.789
(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>	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date.												
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 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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													
Recurring													
1.1.1) Installation Equipment - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 30.255	25 / 30.255	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 30.255	- / 30.255	
Non-Recurring													
1.2.1) Installation Equipment N/R - Organic	- / -	- / -	- / 8.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.197	- / 11.197	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 8.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.197	- / 11.197	
Subtotal: Area Chaff Dispenser (OSIP 012-14)	- / -	- / -	- / 8.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 33.452	25 / 41.452	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 8.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 33.452	- / 41.452	
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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.995	- / 12.295	
2.5) ILS	- / -	- / -	- / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.054	- / 10.454	
2.6) Other Support	- / -	- / -	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.888	- / 2.988	
2.7) Interim Contractor Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.600	- / 1.600	
Subtotal: Support	- / 0.000	- / -	- / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.537	- / 27.337	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	8.800	-	-	-	-	-	-	-	59.989	68.789	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: >TBD			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			Mar 2015	Mar 2016			
Delivery Dates			Mar 2016	Mar 2017			
Installation Information							
Method of Implementation (Organic): Not Installed - Installation Equipment					Installation Quantity: 25		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	7.700	-	-	-	-	-	-	-	-	-	-	7.700
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	7.700	-	-	-	-	-	-	-	-	-	-	7.700
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	7.700	-	-	-	-	-	-	-	-	-	-	7.700
(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)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 7.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.700	
Subtotal: Recurring	- / 7.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.700	
Subtotal: INACTIVE OSIPS	- / 7.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.700	
Subtotal: Procurement, All Modification Items	- / 7.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.700	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	7.700	-	-	-	-	-	-	-	-	-	-	7.700	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0513 / AEA Systems			Modification Number / Title: 3 / INACTIVE OSIPS	
Modification Item 1 of 1: INACTIVE OSIPS							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,029.111	74.933	96.881	65.472	-	65.472	41.295	38.059	35.248	36.005	231.774	1,648.778
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,029.111	74.933	96.881	65.472	-	65.472	41.295	38.059	35.248	36.005	231.774	1,648.778
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,029.111	74.933	96.881	65.472	-	65.472	41.295	38.059	35.248	36.005	231.774	1,648.778
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date. 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 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 FY13 OCO funding completes G4 Expeditionary Litening Pod procurements and begins Expeditionary Litening Pod hardware and software upgrades and software/firmware upgrade validation. The FY14 OCO funding continues Expeditionary Litening Pod upgrades and software/firmware upgrade validation. FY14 OCO funding also procures the Airborne Variable Message Format Terminal and completes the associated Engineering Change Proposals and logistics elements. The AV-8B active inventory (February 2013) 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 82 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. NOTE:												

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy										Date: March 2014									
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):																			
Six RADAR Reman aircraft combat losses in Operation Enduring Freedom (OEF) September 2012.																													

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / AV-8B LITENING POD (OSIP 023-00)	P-3a		-	-	416.304	-	-	40.597	-	-	45.502	-	-	36.575	-	-	-	-	-	36.575
P-3a - 2 / ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04)	P-3a		-	-	44.659	-	-	3.904	-	-	4.235	-	-	3.942	-	-	-	-	-	3.942
P-3a - 3 / ALE-47 (OSIP 025-04)	P-3a		-	-	22.188	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 4 / OBSOLESCENCE REPLACEMENT (OSIP 006-06)	P-3a		-	-	86.355	-	-	30.432	-	-	47.144	-	-	24.955	-	-	-	-	-	24.955
P-3a - 5 / Inactive Osips	P-3a		-	-	459.605	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	1,029.111	-	-	74.933	-	-	96.881	-	-	65.472	-	-	-	-	-	65.472

Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / AV-8B LITENING POD (OSIP 023-00)	P-3a		-	-	18.500	-	-	4.134	-	-	16.350	-	-	16.712	-	-	140.793	-	-	735.467
P-3a - 2 / ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04)	P-3a		-	-	3.714	-	-	3.758	-	-	3.867	-	-	3.918	-	-	18.629	-	-	90.626
P-3a - 3 / ALE-47 (OSIP 025-04)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.188
P-3a - 4 / OBSOLESCENCE REPLACEMENT (OSIP 006-06)	P-3a		-	-	19.081	-	-	30.167	-	-	15.031	-	-	15.375	-	-	72.352	-	-	340.892
P-3a - 5 / Inactive Osips	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	459.605
Total Gross/Weapon System Cost			-	-	41.295	-	-	38.059	-	-	35.248	-	-	36.005	-	-	231.774	-	-	1,648.778

*For the P-3a, Title represents the Modification Number / Title.

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 2015 Navy		Date: March 2014	
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):		
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. FY14 OCO includes Expeditionary LITENING Pod for AV-8B, F/A-18A-D, and EA-6B (\$45.502M) and Airborne VMF Terminal (AVT) (\$12.150M).			

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	416.304	40.597	45.502	36.575	-	36.575	18.500	4.134	16.350	16.712	140.793	735.467
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	416.304	40.597	45.502	36.575	-	36.575	18.500	4.134	16.350	16.712	140.793	735.467
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	416.304	40.597	45.502	36.575	-	36.575	18.500	4.134	16.350	16.712	140.793	735.467
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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. FY13 OCO in the amount of \$38.1M completes the procurement of LITENING G4 Pods, begins upgrading Block 1 to G4 configured pods, and will fund required LITENING Pod software upgrade validation and integration as well as associated logistics elements. FY14 baseline funding completes LITENING Station 4 wiring kit installations on the AV-8B. FY14 OCO in the amount of \$45.5M and baseline funding, will continue upgrading Block 1 to G4 configured Pods and will continue 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. Nonrecurring Engineering will fluctuate due to software / firmware integration and validation complexity for specific S/W upgrades.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

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 Qtr 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 Qtr 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

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
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 will continue the Block 1 to G4 configuration upgrade, and will continue to validate required LITENING Pod software/firmware upgrades.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) Litening PD/ROVER Upgrade - Organic	2 / 4.886	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.886
1.1.2) Night - Organic	44 / 0.106	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 0.106
1.1.3) Radar - Organic	47 / 0.097	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 0.097
1.1.4) Reman - Organic	47 / 0.097	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 0.097
1.1.5) Pod Retrofit Kits (ER to AT) - Organic	47 / 3.944	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 3.944
1.1.6) Station 2/5/6 Wiring Kits (multi station) - Organic	127 / 1.875	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	127 / 1.875
1.1.7) Station 4 Wiring Kits - NonOrganic ⁽¹⁾	119 / 6.431	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	119 / 6.431
Subtotal: Recurring	- / 17.436	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.436
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) CFE Litening PODs - Organic	96 / 124.602	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	96 / 124.602
2.1.2) Pod Upgrade Kits (AV-8B) - Organic	43 / 10.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / 10.276
2.1.3) Pod Upgrade Kits (BLOCK 1 to GEN4) - Organic (2)	- / -	- / -	- / -	15 / 29.223	- / -	15 / 29.223	8 / 15.752	1 / 1.990	7 / 13.931	7 / 14.168	42 / 83.586	80 / 158.650
2.1.4) Pod Upgrade Kits (BLOCK 1 to GEN4) OCO - Organic ⁽³⁾	2 / 2.924	13 / 19.008	26 / 37.175	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 59.107
2.1.5) GEN4 LITENING PODs - Organic	29 / 53.860	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 53.860
2.1.6) GEN4 LITENING PODs (OCO) - Organic	42 / 76.517	6 / 13.062	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 89.579
2.1.7) Datalink II - Organic	16 / 2.021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 2.021
2.1.8) Datalink II (OCO) - Organic	29 / 3.952	10 / 1.867	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 5.819
Subtotal: Recurring	- / 274.152	- / 33.937	- / 37.175	- / 29.223	- / -	- / 29.223	- / 15.752	- / 1.990	- / 13.931	- / 14.168	- / 83.586	- / 503.914
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic ⁽⁴⁾	- / 9.953	- / -	- / -	- / 5.533	- / -	- / 5.533	- / 1.004	- / 0.407	- / 0.618	- / 0.707	- / 32.426	- / 50.648
2.2.2) Installation Equipment N/R (OCO) - Organic ⁽⁵⁾	- / 23.994	- / 2.761	- / 2.473	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.228
Subtotal: Non-Recurring	- / 33.947	- / 2.761	- / 2.473	- / 5.533	- / -	- / 5.533	- / 1.004	- / 0.407	- / 0.618	- / 0.707	- / 32.426	- / 79.876

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: AV-8B LITENING POD (OSIP 023-00)												
Subtotal: Procurement, All Modification Items												
Support (All Modification Items)												
3.1) Engineering Change Orders												
3.2) Data ⁽⁶⁾												
3.3) Data (OCO) ⁽⁷⁾												
3.4) Training Equipment												
3.5) Training Equipment (OCO) ⁽⁸⁾												
3.6) Support Equipment												
3.7) Support Equipment (OCO)												
3.8) ILS												
3.9) ILS (OCO)												
3.10) Other Support												
3.11) Other Support (OCO)												
3.12) Interim Contractor Support												
Subtotal: Support												
Installation												
Modification Item 1 of 1: AV-8B LITENING POD (OSIP 023-00)												
Subtotal: Installation												
Total												
Total Cost (Procurement + Support + Installation)												

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Exhibit P-3a, Individual Modification: PB 2015 Navy												Date: March 2014																							
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)																																			
Modification Item MDAP/MAIS Code:																																			
Manufacturer Information																																			
Manufacturer Name: Various ⁽⁹⁾														Manufacturer Location: >Various																					
Administrative Leadtime (in Months): 0														Production Leadtime (in Months): 0																					
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019									
Contract Dates																																			
Delivery Dates																																			
Installation Information																																			
Method of Implementation: Various : Installation Name: Station 4 Wiring Kits																																			
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total											
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)											
Prior Years		86 / 2.041		28 / 0.928		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		114 / 2.969									
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
Total		86 / 2.041		28 / 0.928		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		114 / 2.969									
Installation Schedule																																			
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019									
		Q1	Q2	Q3	Q4	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	86	8	7	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114				
Out	86	8	7	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114				
Method of Implementation (Organic): Organic - Litening PD/ROVER Upgrade																																			
																								Installation Quantity: 2											
Method of Implementation (Organic): Organic - Night																																			
																								Installation Quantity: 44											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - Radar		Installation Quantity: 47
Method of Implementation (Organic): Organic - Reman		Installation Quantity: 47
Method of Implementation (Organic): Organic - Pod Retrofit Kits (ER to AT)		Installation Quantity: 47
Method of Implementation (Organic): Organic - Station 2/5/6 Wiring Kits (multi station)		Installation Quantity: 127
Method of Implementation (Organic): Organic - CFE Litening PODs		Installation Quantity: 96
Method of Implementation (Organic): Organic - Pod Upgrade Kits (AV-8B)		Installation Quantity: 43
Method of Implementation (Organic): Organic - Pod Upgrade Kits (BLOCK 1 to GEN4)		Installation Quantity: 80
Method of Implementation (Organic): Organic - Pod Upgrade Kits (BLOCK 1 to GEN4) OCO		Installation Quantity: 41
Method of Implementation (Organic): Organic - GEN4 LITENING PODs		Installation Quantity: 29
Method of Implementation (Organic): Organic - GEN4 LITENING PODs (OCO)		Installation Quantity: 48
Method of Implementation (Organic): Organic - Datalink II		Installation Quantity: 16
Method of Implementation (Organic): Organic - Datalink II (OCO)		Installation Quantity: 39
Method of Implementation (Organic): Not Installed - Support Equipment		Installation Quantity: 111
Footnotes:		
⁽¹⁾ 1.1.7 Station 4 Wiring Kits and Installs will not match due to attrition. Final Station 4 wiring installations funded with FY13 due to loss of FY14 installation funding for kits procured in prior years. Cost per installation has increased due to labor rate increase for disassembly /reassembly required to complete mod. Rate has increased due to FRC contractor reduction; organic labor rate is now reflected.		
⁽²⁾ 2.1.3 Unit price increases in FY15 due to quantity based pricing.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
⁽³⁾ 2.1.4 Pod Upgrade Kits (BLOCK 1 to GEN4) OCO: All "to complete" values have been realigned to baseline elements upgrade. Unit price increases in FY15 due to lower quantity procurement. FY15, FY16 and FY17 Pod Upgrade quantities have increased due to requirement to upgrade all Block 1 Pods to G4 configuration ⁽⁴⁾ 2.2.1 Non-Recurring Engineering (NRE) amounts fluctuate per fiscal year due to changes in upgrade efforts planned for each year. The number, type, and complexity of software / firmware upgrades planned each year determine NRE costs. Increase in FY15 reflects a full POD software Operational Flight Program (OFP) update and integration rather than minor firmware update. ⁽⁵⁾ 2.2.2 FY13 NR has increased due to update from actual NRE Software proposal. ⁽⁶⁾ 3.2 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 planned each year. ⁽⁷⁾ 3.3 Data in FY14 has increased due to higher than initially expected effort required to incorporate G4 Pod into AV8 publications for the first time. ⁽⁸⁾ 3.5 Training Equipment procurement moved from FY13 to FY14 due to updates to expected contracting lead time. Training equipment in FY14 has increased due to requirement to incorporate G4 Pod and common OFP software into AV8 training systems for the first time. ⁽⁹⁾ Multiple contract and delivery dates.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	44.659	3.904	4.235	3.942	-	3.942	3.714	3.758	3.867	3.918	18.629	90.626
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	44.659	3.904	4.235	3.942	-	3.942	3.714	3.758	3.867	3.918	18.629	90.626
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	44.659	3.904	4.235	3.942	-	3.942	3.714	3.758	3.867	3.918	18.629	90.626
(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>)	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date.												
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												

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
The following TBD ECP's are revisions to improve durability and increase component life and or introduce new parts due to obsolescence. Future Modifications: ECP - 0589 GTS Magnetic Chip Detector ECP - 1040 GTS ALT Drive Case ECP - 1094 GTS Shutoff Dump Valve Lever ECP - 3647 HP8 Pipe Clamps ECP - 3705 AYC1375 Comb MRA 2 Piece Bottom Heat Shield ECP - 3629 Revised Oil Breather Vent Pipe ECP - 3641C1 #1 Bearing ECP - 3739 HPT1 NGV Hardcoating ECP - 3743 #4 Bearing ECP - 3800 AYC 1374, QEC 3 ECP - 3806 Rear Nozzle Trimmers ECP - 3854 R2 LPC3 Vane Sealing Strip ECP - 3868R1 Spur Gear Lubrication ECP - 3892 LPC Rotor 2 Blade with Revised Stagger Angle 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 - 3911 F402 LPC 1 Blade Root LPB Production Processing ECP - 3912 F402 LPC Stage 1 Disk Slots LPB Production Processing ECP - 3916 Repair Parts ECP - 3917 LPC2 Damper ECP - 3918 LPC1 Vane Thick Trailing Edge ECP - 3919 LPC1 Redesign ECP - 3922 Revised Oil Filters 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 Redesign ECP - TBD DECU Obsolescence ECP - TBD DECU Phase Software ECP - TBD Engine Adapter Reliability Improvements ECP - TBD Event Indicator Improvement ECP - TBD EVICS HMU Pilot Valve ECP - TBD EVICS IDEC POR Correction ECP - TBD Final Drive End ECP - TBD FMU Obsolescence ECP ECP - TBD GTS Events Indicator ECP - TBD GTS Quill Drive Shaft/Bearing		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 HPC Vane Modification ECP - TBD In-Service Oil Analysis ECP - TBD LPB Improvements 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 Flame Tube Redesign ECP - TBD Power Turbine Rotor Redesign ECP - TBD Compressor Turbine Nozzle Redesign ECP - TBD Main Gearbox Housing Redesign		

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽¹⁰⁾	444 / 11.049	5 / 0.460	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	449 / 11.509	
1.1.2) ECP-1095 GTS Brake Seal - Organic ⁽¹¹⁾	- / -	- / -	39 / 0.525	40 / 0.577	- / -	40 / 0.577	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 ⁽¹²⁾	- / -	- / -	3 / 0.155	- / -	- / -	- / -	- / -	- / -	- / -	- / -	194 / 6.000	197 / 6.155	
1.1.4) ECP 3852 R1 LPC 2/3 Vanes Hard Coating - Organic ⁽¹³⁾	- / -	- / -	- / -	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 / 0.528	1 / 0.534	1 / 0.536	1 / 0.538	1 / 0.540	- / -	5 / 2.676	
Subtotal: Recurring	- / 11.049	- / 0.460	- / 0.680	- / 1.405	- / -	- / 1.405	- / 1.434	- / 1.466	- / 1.168	- / 1.220	- / 10.020	- / 28.902	
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													
2.2.1) Installation Equipment N/R - Organic	- / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.400	
Subtotal: Non-Recurring	- / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.400	
Subtotal: ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04)	444 / 11.553	5 / 0.460	42 / 0.680	44 / 1.405	- / -	44 / 1.405	45 / 1.434	47 / 1.466	44 / 1.168	44 / 1.220	403 / 10.020	1,118 / 29.406	
Subtotal: Procurement, All Modification Items	- / 11.553	- / 0.460	- / 0.680	- / 1.405	- / -	- / 1.405	- / 1.434	- / 1.466	- / 1.168	- / 1.220	- / 10.020	- / 29.406	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Data ⁽¹⁴⁾	- / 3.586	- / 0.215	- / 0.475	- / 0.460	- / -	- / 0.460	- / 0.485	- / 0.485	- / 0.485	- / 0.485	- / 2.231	- / 8.907	
3.4) Support Equipment	- / 12.351	- / 1.390	- / 1.230	- / 0.419	- / -	- / 0.419	- / 0.407	- / 0.411	- / 0.410	- / 0.516	- / 1.546	- / 18.680	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	
3.5) Generator Control Unit Test Set Obsolescence	- / 0.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.700	
3.6) ILS	- / 12.381	- / 1.559	- / 1.552	- / 1.325	- / -	- / 1.325	- / 1.228	- / 1.249	- / 1.611	- / 1.500	- / 3.583	- / 25.988	
3.7) Other Support	- / 4.088	- / 0.280	- / 0.298	- / 0.333	- / -	- / 0.333	- / 0.160	- / 0.147	- / 0.193	- / 0.197	- / 1.249	- / 6.945	
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 33.106	- / 3.444	- / 3.555	- / 2.537	- / -	- / 2.537	- / 2.280	- / 2.292	- / 2.699	- / 2.698	- / 8.609	- / 61.220	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	44.659	3.904	4.235	3.942	-	3.942	3.714	3.758	3.867	3.918	18.629	90.626	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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: 5		
Footnotes: ⁽¹⁰⁾ 1.1.1 Due to reprioritization of ECP kit requirements, Sand Tolerance kits were procured in FY13. ⁽¹¹⁾ 1.1.2 Due to reprioritization of ECP kit requirements, GTS Brake Seal procurement delayed until FY14. Realigned from other support to capture planned Kit procurements.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
(12) 1.1.3 Due to reprioritization of ECP kit requirements, Enhanced Variable Inlet Guide Vane Control System (EVICS) procurement delayed until FY14. Realigned from other support to capture planned Kit procurements. (13) 1.1.4 ECP 3852 R1 LPC 2/3 Vanes Hard Coating Realigned from other support to capture planned Kit procurements. (14) 3.3 Reduced requirements to CSS in FY15-FY19.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy										Date: March 2014		
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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: 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 ⁽¹⁵⁾	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)												
3.1) Engineering Change Orders	- / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.300
3.2) Data	- / 1.027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.027
3.3) Data (OCO)	- / 0.107	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.107
3.4) Training Equipment	- / 3.371	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.371
3.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) ILS	- / 5.394	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.394
3.7) Other Support	- / 2.098	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.098
3.8) Other Support (OCO)	- / 0.016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.016
3.9) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
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 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Various	Manufacturer Location: >Various
Administrative Leadtime (<i>in Months</i>): 0	Production Leadtime (<i>in Months</i>): 0

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 2.806	53 / 0.000	27 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	119 / 2.806
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	39 / 2.806	53 / -	27 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	119 / 2.806

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	23	10	10	10	8	7	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119
Out	39	23	10	10	10	8	7	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119

Method of Implementation (Organic): Organic - ALE-47 Wiring ECP 311 **Installation Quantity:** 83

Footnotes:

⁽¹⁵⁾ 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	86.355	30.432	47.144	24.955	-	24.955	19.081	30.167	15.031	15.375	72.352	340.892
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	86.355	30.432	47.144	24.955	-	24.955	19.081	30.167	15.031	15.375	72.352	340.892
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	86.355	30.432	47.144	24.955	-	24.955	19.081	30.167	15.031	15.375	72.352	340.892
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 2030 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 aircraft 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) request in the amount of \$12.150M will procure Airborne Variable Message Format (VMF) Terminal and associated ECPs, trainer updates, and logistic data.

FY14 OCO: Current Marine Air-Ground Task Force (MAGTF) future force laydown plans shows ACE MAGTF elements will not change in Operation Enduring Freedom (OEF) through FY14. A MAGTF Aviation Combat Element (ACE) will remain deployed in OEF in order to support Special Operating Forces beyond FY14 (current plans 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 OEF. 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.

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 Bullet Fairing, Cold Air Unit Turbine, Canopy Latch, Speedbrake, Auxillary Communications Navigation Identification Panel (ACNIP) safety, integrity and obsolescence, Center Tank Structural Modification, Frame 11, Frame 29, Frame 41, Frame 43 and Advanced Memory Unit modifications, data/ILS updates for ECPs, support equipment procurements unique to the use of the BRU-70, Display Computer and Single Card Programmer procurements. Various kit procurements and installations continue throughout the Future Years Defense Plan. FY14 OCO will begin procurement of the Airborne VMF Terminal and associated trainer upgrades and logistics data procurements/updates. 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.

Current Active Modifications:

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
ECP-282 Fuel Coupling P2 ECP-PMA257-2011-0001 Center Tank Structural Mod ECP-323 Nose Landing Gear Steering Dowel Pin (NLG Steering) ECP-PMA257-2009-0003 Bullet Fairing Upgrade ECP-PMA257-2008-0005 Frame 41 Tail Plane Guide ECP-PMA257-2008-0004 Frame 43 Bushing ECP-MDA-AV-8B-0328 Advanced Memory Unit (AMU) ECP-PMA257-2011-0003 Frame 11 ECP-TBD-Canopy Latch ADU - 830 Adapters (OCO) ECP-PMA257-2010-0002 Frame 29 Structure Mod ECP-TBD Cold Air Unit and Dual Temp Switch ECP-PMA257-2011-0002 Digital Video Recorder (DVR) ECP-PMA257-2010-0001 Display Computer ECP-303 Electronic Airspeed Altitude Sensor/Mode Selector (EAAS) ECP-327 Thermal Battery ECP-TBD Fatigue Life Extension Tracking (FLE) ECP-PMA257-2010-004R1 Single Card Programmer ECP-PMA257-2013-0001 Airborne VMF Terminal (OCO) ECP-TBD-GR-9 Compatibility ECP-TBD-Speebrake ECP-TBD-ACNIP ECP-TBD-In-Board-Throttle Transverse Shaft ECP-MDA-333 Nose Landing Down Lock Future Modifications: ECP-LAU-127 Launcher ECP-326 Strut Servicing Indicator Incorporation 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		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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-282 Fuel Coupling P2 - NonOrganic	146 / 1.743	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	146 / 1.743	
1.1.2) ECP-PMA257-2011-0001 Center Tank Structural Modification - NonOrganic ⁽¹⁶⁾	10 / 0.183	25 / 0.811	11 / 0.297	6 / 0.165	- / -	6 / 0.165	13 / 0.365	16 / 0.457	11 / 0.320	- / -	- / -	92 / 2.598	
1.1.3) ECP-323 NLG Steering Dowel Pin - NonOrganic	141 / 0.154	- / -	- / -	- / -	- / -	- / -	25 / 0.038	- / -	- / -	- / -	- / -	166 / 0.192	
1.1.4) ECP-PMA257-2009-0003 Bullet Fairing Upgrade - NonOrganic	- / -	- / -	31 / 4.650	29 / 4.350	- / -	29 / 4.350	6 / 0.900	12 / 1.800	1 / 0.150	26 / 3.900	29 / 4.350	134 / 20.100	
1.1.5) ECP-PMA257-2008-0005 Frame 41 Tail Plane Guide - NonOrganic	2 / 0.318	29 / 0.428	24 / 0.445	25 / 0.473	- / -	25 / 0.473	27 / 0.520	27 / 0.530	- / -	- / -	- / -	134 / 2.714	
1.1.6) ECP-PMA257-2008-0004 Frame 43 Bushings - NonOrganic	22 / 0.453	29 / 0.053	24 / 0.059	25 / 0.063	- / -	25 / 0.063	27 / 0.069	7 / 0.018	- / -	- / -	- / -	134 / 0.715	
1.1.7) ECP-MDA-AV-8B-0328 Advanced Memory Unit (AMU) - Organic	- / -	2 / 0.080	118 / 4.844	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	120 / 4.924	
1.1.8) ECP-PMA257-2011-0003 Frame 11 - NonOrganic ⁽¹⁷⁾	- / -	3 / 0.450	3 / 0.345	15 / 0.737	- / -	15 / 0.737	8 / 0.326	13 / 0.823	11 / 0.712	11 / 0.787	7 / 1.174	71 / 5.354	
1.1.9) ECP-TBD-Canopy Latch - NonOrganic	- / -	10 / 0.100	19 / 0.194	24 / 0.485	- / -	24 / 0.485	24 / 0.494	24 / 0.503	17 / 0.475	- / -	- / -	118 / 2.251	
1.1.10) ADU-830 Adapters (OCO) - Organic	55 / 2.195	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 2.195	
1.1.11) LAU-127 Launcher - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 1.485	55 / 1.485	
1.1.12) ECP-PMA257-2010-0002 Frame 29 Structure Modification - NonOrganic ⁽¹⁸⁾	4 / 0.577	14 / 0.656	7 / 0.412	9 / 0.537	- / -	9 / 0.537	8 / 0.486	10 / 0.619	- / -	- / -	- / -	52 / 3.287	
1.1.13) ECP-TBD-Cold Air Unit - NonOrganic ⁽¹⁹⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.992	1 / 0.098	1 / 0.098	143 / 14.014	151 / 15.202	
1.1.15) ECP-TBD-Speedbrake - Organic	- / -	- / -	- / -	22 / 1.276	- / -	22 / 1.276	26 / 1.508	86 / 4.988	- / -	- / -	- / -	134 / 7.772	
1.1.16) ECP-PMA257-2011-0002 Digital Video Recorder (DVR) - Organic	142 / 2.444	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	142 / 2.444	
1.1.17) A Kits/Recurring - ARCHIVED ECPs - NonOrganic	2,074 / 5.520	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,074 / 5.520	
Subtotal: Recurring	- / 13.587	- / 2.578	- / 11.246	- / 8.086	- / -	- / 8.086	- / 4.706	- / 10.730	- / 1.755	- / 4.785	- / 21.023	- / 78.496	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽²⁰⁾	- / 8.144	- / 3.830	- / 6.191	- / 3.787	- / -	- / 3.787	- / 1.146	- / 1.001	- / 0.405	- / 0.435	- / 2.140	- / 27.079	
1.2.2) Installation Kits N/R (OCO) - Organic	- / 4.532	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.532	
Subtotal: Non-Recurring	- / 12.676	- / 3.830	- / 6.191	- / 3.787	- / -	- / 3.787	- / 1.146	- / 1.001	- / 0.405	- / 0.435	- / 2.140	- / 31.611	
B Kits													

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Recurring													
2.1.1) ECP-PMA257-2010-0001 Display Computer - Organic	- / -	82 / 8.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	82 / 8.200	
2.1.2) ECP-303 EAAS - Organic	168 / 0.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	168 / 0.490	
2.1.3) ECP-327R1 Thermal Battery - Organic	141 / 0.593	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	141 / 0.593	
2.1.4) FLE TRACKING - Organic	- / 0.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.350	
2.1.6) ECP-TBD-In Board Throttle Transverse Shaft - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	134 / 0.928	- / -	- / -	- / -	134 / 0.928	
2.1.7) ECP-TBD Takeoff & Ldg Checklist - Organic	163 / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	163 / 0.200	
2.1.8) ECP-PMA257-2010-004R1 Single Card Programmer - Organic ⁽²¹⁾	- / -	210 / 2.296	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	210 / 2.296	
2.1.9) ECP-PMA257-2011-0002 Digital Video Recorder (DVR) - Organic	435 / 5.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	435 / 5.030	
2.1.10) ECP-PMA257-2013-0001 Airborne VMF Terminal (OCO) - Organic	- / -	- / -	24 / 2.898	- / -	- / -	- / -	- / -	- / -	- / -	- / -	98 / 12.425	122 / 15.323	
2.1.11) B Kits Recurring - ARCHIVED ECPs - Organic	54 / 5.163	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 5.163	
Subtotal: Recurring	- / 11.826	- / 10.496	- / 2.898	- / -	- / -	- / -	- / -	- / 0.928	- / -	- / -	- / 12.425	- / 38.573	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽²²⁾	- / 11.360	- / 6.326	- / 3.440	- / 2.056	- / -	- / 2.056	- / 0.075	- / 0.077	- / -	- / -	- / 0.650	- / 23.984	
2.2.2) Installation Equipment N/R (OCO) - Organic	- / -	- / -	- / 7.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.650	- / 7.983	
Subtotal: Non-Recurring	- / 11.360	- / 6.326	- / 10.773	- / 2.056	- / -	- / 2.056	- / 0.075	- / 0.077	- / -	- / -	- / 1.300	- / 31.967	
Subtotal: OBSOLESCENCE REPLACEMENT (OSIP 006-06)	3,557 / 49.449	404 / 23.230	261 / 31.108	155 / 13.929	- / -	155 / 13.929	164 / 5.927	335 / 12.736	41 / 2.160	38 / 5.220	332 / 36.888	5,287 / 180.647	
Subtotal: Procurement, All Modification Items	- / 49.449	- / 23.230	- / 31.108	- / 13.929	- / -	- / 13.929	- / 5.927	- / 12.736	- / 2.160	- / 5.220	- / 36.888	- / 180.647	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data ⁽²³⁾	- / 0.901	- / 0.160	- / 0.490	- / 0.485	- / -	- / 0.485	- / 0.170	- / 0.100	- / 0.050	- / -	- / -	- / 2.356	
3.3) Data (OCO)	- / -	- / -	- / 0.160	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.160	
3.4) Training Equipment	- / 0.060	- / 0.254	- / -	- / 0.030	- / -	- / 0.030	- / -	- / -	- / -	- / -	- / -	- / 0.344	
3.5) Training Equipment (OCO)	- / -	- / -	- / 0.634	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.634	
3.6) Support Equipment	- / 5.080	- / 0.176	- / 0.615	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.050	- / 5.921	
3.7) Support Equipment (OCO)	- / -	- / -	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.050	- / 0.250	
3.8) ILS	- / 0.962	- / 0.634	- / 1.014	- / 0.957	- / -	- / 0.957	- / 0.700	- / 0.714	- / 0.762	- / 0.755	- / 3.556	- / 10.054	
3.9) ILS (OCO)	- / -	- / -	- / 0.125	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.050	- / 0.175	
3.10) Other Support ⁽²⁴⁾	- / 19.997	- / 3.070	- / 5.070	- / 4.913	- / -	- / 4.913	- / 5.008	- / 5.101	- / 4.251	- / 4.544	- / 26.166	- / 78.120	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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)	- / -	- / -	- / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / 1.000	
3.12) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 27.000	- / 4.294	- / 9.108	- / 6.385	- / -	- / 6.385	- / 5.878	- / 5.915	- / 5.063	- / 5.299	- / 30.072	- / 99.014	
Installation													
Modification Item 1 of 1: OBSOLESCENCE REPLACEMENT (OSIP 006-06)	- / 9.906	- / 2.908	- / 6.928	- / 4.641	- / -	- / 4.641	- / 7.276	- / 11.516	- / 7.808	- / 4.856	- / 5.392	- / 61.231	
<i>Subtotal: Installation</i>	- / 9.906	- / 2.908	- / 6.928	- / 4.641	- / -	- / 4.641	- / 7.276	- / 11.516	- / 7.808	- / 4.856	- / 5.392	- / 61.231	
Total													
Total Cost (Procurement + Support + Installation)	86.355	30.432	47.144	24.955	-	24.955	19.081	30.167	15.031	15.375	72.352	340.892	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
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)																																							
Modification Item MDAP/MAIS Code:																																							
Manufacturer Information																																							
Manufacturer Name: Various ⁽²⁵⁾															Manufacturer Location: >Various																								
Administrative Leadtime (in Months): 0															Production Leadtime (in Months): 0																								
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019													
Contract Dates																																							
Delivery Dates																																							
Installation Information																																							
Method of Implementation: Safety : Installation Name: OBSOLESCENCE REPLACEMENT (OSIP 006-06)																																							
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total															
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)															
Prior Years		148 / 9.906		69 / 2.767		48 / 1.253		28 / 0.411		- / 0.000		28 / 0.411		24 / 0.064		8 / 0.021		- / -		- / -		- / -		- / -		325 / 14.422													
FY 2013		- / -		1 / 0.141		40 / 5.441		36 / 2.365		- / -		36 / 2.365		33 / 1.940		- / -		- / -		- / -		- / -		- / -		110 / 9.887													
FY 2014		- / -		- / -		10 / 0.234		57 / 1.714		- / -		57 / 1.714		29 / 3.155		23 / 1.028		- / -		- / -		- / -		- / -		119 / 6.131													
FY 2015		- / -		- / -		- / -		6 / 0.151		- / -		6 / 0.151		67 / 2.117		45 / 7.354		15 / 0.105		- / -		- / -		- / -		133 / 9.727													
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		75 / 2.769		47 / 4.230		16 / 0.302		- / -		- / -		138 / 7.301													
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 0.344		47 / 3.444		32 / 2.611		18 / 0.359		115 / 6.758															
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.029		22 / 1.220		17 / 1.922		41 / 3.171															
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		27 / 0.723		11 / 1.213		38 / 1.936															
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		179 / 1.898		179 / 1.898															
Total		148 / 9.906		70 / 2.908		98 / 6.928		127 / 4.641		- / -		127 / 4.641		153 / 7.276		169 / 11.516		111 / 7.808		97 / 4.856		225 / 5.392		1,198 / 61.231															
Installation Schedule																																							
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019													
		Q1	Q2	Q3	Q4	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	148	16	18	18	18	28	28	19	23	39	36	30	22	37	40	40	36	45	45	43	36	30	31	25	25	28	24	26	19	225	1,198								
Out	148	16	18	18	18	28	28	19	23	39	36	30	22	37	40	40	36	45	45	43	36	30	31	25	25	28	24	26	19	225	1,198								
Method of Implementation (Organic): Organic - ECP-MDA-AV-8B-0328 Advanced Memory Unit (AMU)																														Installation Quantity: 120									
Method of Implementation (Organic): Organic - ADU-830 Adapters (OCO)																														Installation Quantity: 55									

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - LAU-127 Launcher		Installation Quantity: 55
Method of Implementation (Organic): Organic - ECP-TBD-Speedbrake		Installation Quantity: 134
Method of Implementation (Organic): Organic - ECP-PMA257-2011-0002 Digital Video Recorder (DVR)		Installation Quantity: 142
Method of Implementation (Organic): Organic - ECP-PMA257-2010-0001 Display Computer		Installation Quantity: 82
Method of Implementation (Organic): Organic - ECP-303 EAAS		Installation Quantity: 168
Method of Implementation (Organic): Organic - ECP-327R1 Thermal Battery		Installation Quantity: 141
Method of Implementation (Organic): Organic - ECP-TBD-In Board Throttle Transverse Shaft		Installation Quantity: 134
Method of Implementation (Organic): Organic - ECP-TBD Takeoff & Ldg Checklist		Installation Quantity: 163
Method of Implementation (Organic): Organic - ECP-PMA257-2010-004R1 Single Card Programmer		Installation Quantity: 210
Method of Implementation (Organic): Organic - ECP-PMA257-2011-0002 Digital Video Recorder (DVR)		Installation Quantity: 435
Method of Implementation (Organic): Organic - ECP-PMA257-2013-0001 Airborne VMF Terminal (OCO)		Installation Quantity: 122
Method of Implementation (Organic): Not Installed - B Kits Recurring - ARCHIVED ECPs		Installation Quantity: 54
Footnotes: ⁽¹⁶⁾ 1.1.2 Cost per installation has increased due to labor rate increase for disassembly /reassembly required to complete mod due to contractor reductions at FRCs. Organic labor rate now reflected. ⁽¹⁷⁾ 1.1.8 Increase Kit Buys in FY16 due to additional money recieved via issue 50419. The qty 6 install added to FY17 is a PMI 1 event install. PMI 1 events are normally expensive because Depot has to completely open the aircraft vice partial panel only. The projected labor hours of this mod is 4,000 to complete each installation. ⁽¹⁸⁾ 1.1.13 Cost per installation has increased due to labor rate increase for disassembly /reassembly required to complete mod due to contractor reductions at FRCs. Organic labor rate now reflected.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
(19) 1.1.4 Cold Air Unit is changed to Depot level install. (20) 1.2.1 Increase in installation kits NRE in FY14 due to emergent safety, obsolescence and aging aircraft requirements for Cold Air Unit, Bullet Fairing, GR-9 Compatibility, Canopy Latch, and Speedbrake. 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. (21) 2.1.8 Quantities purchased for Single Card Programmer will not match number of aircraft due to outfitting each Warfare Management Computer with this upgrade, vice upgrading the airframe. (22) 2.2.1 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. (23) 3.2 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. (24) 3.10 Increase beginning in FY14 is to execute required obsolesence 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. (25) Contract and delivery dates are not provided due to the compliation 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 459.605	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 459.605
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.7) Other Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.8) Interim Contractor 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 2015 Navy					Date: March 2014		
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	
Modification Item 1 of 1: N/A							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	46.100	3.959	2.992	8.418	-	8.418	5.880	1.479	0.705	3.756	11.172	84.461
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	46.100	3.959	2.992	8.418	-	8.418	5.880	1.479	0.705	3.756	11.172	84.461
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	46.100	3.959	2.992	8.418	-	8.418	5.880	1.479	0.705	3.756	11.172	84.461
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date. 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019		
NR	Quantity	-	-	-	-	-	-	-	-	-	-	
	Total Obligation Authority	3.959	2.992	8.418	-	8.418	5.880	1.479	0.705	3.756		
Total:	Quantity	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014

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:

Secondary Distribution		FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019
Secondary Distribution	Total Obligation Authority	3.959	2.992	8.418	-	8.418	5.880	1.479	0.705	3.756

Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Structural Enhancement Program - Reserve Forces (OSIP 009-13)	P-3a		-	-	0.000	-	-	3.959	-	-	2.992	-	-	1.497	-	-	-	-	-	1.497
P-3a - 2 / F-5 SLEP (OSIP 006-15)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	6.921	-	-	-	-	-	6.921
P-3a - 3 / Inactive OSIPs	P-3a		-	-	46.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	46.100	-	-	3.959	-	-	2.992	-	-	8.418	-	-	-	-	-	8.418

Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Structural Enhancement Program - Reserve Forces (OSIP 009-13)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.448
P-3a - 2 / F-5 SLEP (OSIP 006-15)	P-3a		-	-	5.880	-	-	1.479	-	-	0.705	-	-	3.756	-	-	11.172	-	-	29.913
P-3a - 3 / Inactive OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.100
Total Gross/Weapon System Cost			-	-	5.880	-	-	1.479	-	-	0.705	-	-	3.756	-	-	11.172	-	-	84.461

*For the P-3a, Title represents the Modification Number / Title.

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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	3.959	2.992	1.497	-	1.497	-	-	-	-	-	8.448
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	3.959	2.992	1.497	-	1.497	-	-	-	-	-	8.448
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	3.959	2.992	1.497	-	1.497	-	-	-	-	-	8.448

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		- / 0.000	- / 1.500	- / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.000
B Kits													
Non-Recurring													
2.2.2) Non Recurring Engineering - Organic		- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.000
Subtotal: Non-Recurring		- / 0.000	- / 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		- / 0.000	- / 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		- / 0.000	- / 0.459	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.459
Installation													
Modification Item 1 of 1: Structural Enhancement Program - Reserve Forces (OSIP 009-13)		- / 0.000	- / -	- / 1.492	- / 1.497	- / -	- / 1.497	- / -	- / -	- / -	- / -	- / -	- / 2.989
Subtotal: Installation		- / 0.000	- / -	- / 1.492	- / 1.497	- / -	- / 1.497	- / -	- / -	- / -	- / -	- / -	- / 2.989
Total													
Total Cost (Procurement + Support + Installation)		0.000	3.959	2.992	1.497	-	1.497	-	-	-	-	-	8.448

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: TBD				Manufacturer Location: >TBD			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jun 2013	Apr 2014					
Delivery Dates	Jun 2014	Apr 2015					

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	5 / 1.492	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.492
FY 2014	- / -	- / -	- / -	5 / 1.497	- / -	5 / 1.497	- / -	- / -	- / -	- / -	- / -	5 / 1.497
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	5 / 1.492	5 / 1.497	- / -	5 / 1.497	- / -	- / -	- / -	- / -	- / -	10 / 2.989

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	-	-	-	-	-	-	-	-	3	2	-	-	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	6.921	-	6.921	5.880	1.479	0.705	3.756	11.172	29.913
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	6.921	-	6.921	5.880	1.479	0.705	3.756	11.172	29.913
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	6.921	-	6.921	5.880	1.479	0.705	3.756	11.172	29.913
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	2 / 1.060	5 / 2.677	- / -	- / -	- / -	- / -	7 / 3.737
1.1.2) F-5 UCL - NonOrganic ⁽¹⁾	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.900	8 / 0.869	2 / 0.152	2 / 0.150	22 / 2.145	44 / 4.216
1.1.3) F-5 V-Stab - NonOrganic	- / -	- / -	- / -	6 / 1.613	- / -	6 / 1.613	1 / 0.273	- / -	- / -	7 / 1.911	8 / 2.372	22 / 6.169
1.1.4) F-5 H-Stab - Organic	- / -	- / -	- / -	10 / 4.248	- / -	10 / 4.248	4 / 1.730	- / -	- / -	2 / 0.946	- / -	16 / 6.924
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 6.921	- / -	- / 6.921	- / 5.580	- / 0.869	- / 0.152	- / 3.007	- / 4.517	- / 21.046
Subtotal: F-5 SLEP (OSIP 006-15)	- / -	- / -	- / -	18 / 6.921	- / -	18 / 6.921	20 / 5.580	8 / 0.869	2 / 0.152	11 / 3.007	30 / 4.517	89 / 21.046
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 6.921	- / -	- / 6.921	- / 5.580	- / 0.869	- / 0.152	- / 3.007	- / 4.517	- / 21.046
Support (All Modification Items)												
3.1) New Cost Element.	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
Modification Item 1 of 1: F-5 SLEP (OSIP 006-15)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.300	- / 0.610	- / 0.553	- / 0.749	- / 6.655	- / 8.867
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.300	- / 0.610	- / 0.553	- / 0.749	- / 6.655	- / 8.867
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	6.921	-	6.921	5.880	1.479	0.705	3.756	11.172	29.913

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: TBD - F-5 UCL															Manufacturer Location: >TBD																
Administrative Leadtime (in Months): 4															Production Leadtime (in Months): 27																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates														Jan 2016				Jan 2017				Jan 2018				Jan 2019					
Delivery Dates														Apr 2018				Apr 2019				Apr 2020				Apr 2021					
Manufacturer Name: TBD - F-5 V-Stab															Manufacturer Location: >TBD																
Administrative Leadtime (in Months): 4															Production Leadtime (in Months): 19																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates										Jan 2015				Jan 2016												Jan 2019					
Delivery Dates										Aug 2016				Aug 2017												Aug 2020					
Installation Information																															
Method of Implementation: Depot Maintenance Contractor Facility : Installation Name: F-5 UCL																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.396	6 / 0.642	- / -	10 / 1.038																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.107	7 / 0.973	8 / 1.080																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.278	2 / 0.278																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.278	2 / 0.278																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 2.421	22 / 2.421																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.396	7 / 0.749	33 / 3.950	44 / 5.095																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	33	44
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	3	1	33	44

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.300	4 / 0.610	- / -	- / -	- / -	6 / 0.910
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.157	- / -	- / -	1 / 0.157
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.120	7 / 1.120
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.585	8 / 1.585
Total	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.300	4 / 0.610	1 / 0.157	- / -	15 / 2.705	22 / 3.772

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	1	-	-	-	-	-	-	-	15	22
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	-	-	1	-	-	-	-	-	-	15	22

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

Installation Quantity: 7

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

Installation Quantity: 16

Footnotes:

(1) There are two F-5 variants (F, N), and one (1) UCL purchased 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	46.100	-	-	-	-	-	-	-	-	-	-	46.100
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	46.100	-	-	-	-	-	-	-	-	-	-	46.100
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	46.100	-	-	-	-	-	-	-	-	-	-	46.100
(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)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy	Date: March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	5,367.669	629.205	761.412	679.177	-	679.177	1,358.703	1,366.329	1,497.163	1,600.083	5,629.314	18,889.055
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	5,367.669	629.205	761.412	679.177	-	679.177	1,358.703	1,366.329	1,497.163	1,600.083	5,629.314	18,889.055
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5,367.669	629.205	761.412	679.177	-	679.177	1,358.703	1,366.329	1,497.163	1,600.083	5,629.314	18,889.055

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Correction of Discrepancies (OSIP 11-84)	P-3a		-	-	964.846	-	-	67.805	-	-	76.705	-	-	76.862	-	-	-	-	-	76.862
P-3a - 2 / Digital Communications System (DCS) (OSIP 10-99)	P-3a		-	-	46.302	-	-	12.879	-	-	19.375	-	-	10.978	-	-	-	-	-	10.978
P-3a - 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+	P-3a		-	-	889.973	-	-	132.429	-	-	93.705	-	-	117.102	-	-	-	-	-	117.102

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014						
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 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)	P-3a		-	-	384.483	-	-	0.640	-	-	32.402	-	-	21.270	-	-	-	-	-	21.270
P-3a - 5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)	P-3a		-	-	325.832	-	-	19.340	-	-	8.434	-	-	12.187	-	-	-	-	-	12.187
P-3a - 6 / Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)	P-3a		-	-	267.488	-	-	17.847	-	-	12.705	-	-	-	-	-	-	-	-	-
P-3a - 7 / Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)	P-3a		-	-	792.614	-	-	38.399	-	-	43.187	-	-	6.180	-	-	-	-	-	6.180
P-3a - 8 / F/A-18C/D/E/F and EA-18G Training System (OSIP 006-02)	P-3a		-	-	133.703	-	-	6.425	-	-	20.017	-	-	23.077	-	-	-	-	-	23.077
P-3a - 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)	P-3a		-	-	310.007	-	-	103.314	-	-	108.158	-	-	120.139	-	-	-	-	-	120.139
P-3a - 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)	P-3a		-	-	126.281	-	-	32.365	-	-	17.942	-	-	22.793	-	-	-	-	-	22.793
P-3a - 11 / Litening AT Targeting Pod (OSIP 024-04)	P-3a		-	-	159.447	-	-	1.596	-	-	2.382	-	-	1.167	-	-	-	-	-	1.167
P-3a - 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)	P-3a		-	-	465.877	-	-	152.562	-	-	158.420	-	-	81.608	-	-	-	-	-	81.608
P-3a - 13 / AN/ASD-12(V) SHARP (OSIP 13-07)	P-3a		-	-	16.589	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 14 / EW Unique (OSIP 021-08)	P-3a		-	-	127.458	-	-	3.410	-	-	0.574	-	-	0.732	-	-	-	-	-	0.732
P-3a - 15 / Network Centric Operations: (OSIP 001-10)	P-3a		-	-	96.611	-	-	33.329	-	-	48.028	-	-	32.522	-	-	-	-	-	32.522
P-3a - 16 / EA-18G Unique OSIP (011-10)	P-3a		-	-	11.538	-	-	6.665	-	-	23.212	-	-	26.344	-	-	-	-	-	26.344
P-3a - 17 / Power and Propulsion (11-13)	P-3a		-	-	0.000	-	-	-	-	-	2.856	-	-	1.290	-	-	-	-	-	1.290
P-3a - 18 / Infrared Search and Track (IRST) (04-14)	P-3a		-	-	0.000	-	-	-	-	-	56.365	-	-	75.493	-	-	-	-	-	75.493
P-3a - 19 / Automated Information Systems (AIS) (OSIP 018-14)	P-3a		-	-	0.000	-	-	-	-	-	26.944	-	-	38.383	-	-	-	-	-	38.383

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014						
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 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 20 / F/A-18E/F and EA-18G SLEP (OSIP 020-14)	P-3a		-	-	0.000	-	-	-	-	-	10.001	-	-	11.050	-	-	-	-	-	11.050
P-3a - 21 / Priority Stores Integration (OSIP 10-16)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 22 / Inactive OSIPs	P-3a		-	-	248.620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	5,367.669	-	-	629.205	-	-	761.412	-	-	679.177	-	-	-	-	-	679.177
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Correction of Discrepancies (OSIP 11-84)	P-3a		-	-	96.450	-	-	90.356	-	-	85.293	-	-	79.811	-	-	187.979	-	-	1,726.107
P-3a - 2 / Digital Communications System (DCS) (OSIP 10-99)	P-3a		-	-	15.356	-	-	24.583	-	-	40.594	-	-	44.211	-	-	6.381	-	-	220.659
P-3a - 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+	P-3a		-	-	175.326	-	-	161.346	-	-	148.161	-	-	160.395	-	-	1,221.883	-	-	3,100.320
P-3a - 4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)	P-3a		-	-	78.425	-	-	91.028	-	-	108.683	-	-	65.891	-	-	199.100	-	-	981.922
P-3a - 5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)	P-3a		-	-	4.555	-	-	10.726	-	-	6.369	-	-	3.573	-	-	-	-	-	391.016
P-3a - 6 / Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)	P-3a		-	-	7.871	-	-	3.180	-	-	-	-	-	-	-	-	1.625	-	-	310.716
P-3a - 7 / Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)	P-3a		-	-	8.677	-	-	0.435	-	-	2.725	-	-	0.680	-	-	-	-	-	892.897
P-3a - 8 / F/A-18C/D/E/F and EA-18G Training System (OSIP 006-02)	P-3a		-	-	41.246	-	-	39.699	-	-	36.388	-	-	43.030	-	-	288.913	-	-	632.498
P-3a - 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)	P-3a		-	-	176.946	-	-	181.593	-	-	151.024	-	-	185.460	-	-	213.774	-	-	1,550.415
P-3a - 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)	P-3a		-	-	69.677	-	-	96.057	-	-	147.317	-	-	99.649	-	-	1,182.780	-	-	1,794.861

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014						
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 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 11 / Litening AT Targeting Pod (OSIP 024-04)	P-3a		-	-	1.197	-	-	-	-	-	-	-	-	-	-	-	1.087	-	-	166.876
P-3a - 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)	P-3a		-	-	262.273	-	-	231.354	-	-	223.940	-	-	110.891	-	-	24.190	-	-	1,711.115
P-3a - 13 / AN/ASD-12(V) SHARP (OSIP 13-07)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.789
P-3a - 14 / EW Unique (OSIP 021-08)	P-3a		-	-	0.239	-	-	-	-	-	-	-	-	-	-	-	-	-	-	132.413
P-3a - 15 / Network Centric Operations: (OSIP 001-10)	P-3a		-	-	38.471	-	-	32.270	-	-	44.505	-	-	88.305	-	-	135.893	-	-	549.934
P-3a - 16 / EA-18G Unique OSIP (011-10)	P-3a		-	-	21.478	-	-	30.063	-	-	41.269	-	-	168.668	-	-	229.093	-	-	558.330
P-3a - 17 / Power and Propulsion (11-13)	P-3a		-	-	46.862	-	-	51.979	-	-	53.387	-	-	72.768	-	-	182.254	-	-	411.396
P-3a - 18 / Infrared Search and Track (IRST) (04-14)	P-3a		-	-	240.041	-	-	250.668	-	-	287.204	-	-	314.207	-	-	331.466	-	-	1,555.444
P-3a - 19 / Automated Information Systems (AIS) (OSIP 018-14)	P-3a		-	-	47.191	-	-	44.936	-	-	49.825	-	-	58.399	-	-	134.318	-	-	399.996
P-3a - 20 / F/A-18E/F and EA-18G SLEP (OSIP 020-14)	P-3a		-	-	10.837	-	-	10.974	-	-	55.096	-	-	87.144	-	-	1,221.661	-	-	1,406.763
P-3a - 21 / Priority Stores Integration (OSIP 10-16)	P-3a		-	-	15.585	-	-	15.082	-	-	15.383	-	-	17.001	-	-	66.917	-	-	129.968
P-3a - 22 / Inactive OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	248.620
Total Gross/Weapon System Cost			-	-	1,358.703	-	-	1,366.329	-	-	1,497.163	-	-	1,600.083	-	-	5,629.314	-	-	18,889.055
*For the P-3a, Title represents the Modification Number / Title.																				
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 2015 is to implement commonality/capability and structural safety and reliability improvements.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	964.846	67.805	76.705	76.862	-	76.862	96.450	90.356	85.293	79.811	187.979	1,726.107
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	964.846	67.805	76.705	76.862	-	76.862	96.450	90.356	85.293	79.811	187.979	1,726.107
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	964.846	67.805	76.705	76.862	-	76.862	96.450	90.356	85.293	79.811	187.979	1,726.107
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 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, and other sustainment activities. Corrections to the following items/conditions are required:

Current Active Modifications:

ECP 974 NI MLG Y488 Bulkhead
ECP 590 OBOGS SSOM, Safety ECP
ECP 6217C1 Cockpit Pressurization Warning System (CPWS)
ECP 609 F/A-18 A-D Inner Wing Conversion and Reliability Improvements
ECP 1022 NI Inner Wing Fatigue Improvement
ECP 1034 NI Trailing Edge Flap/Aileron Attach Log Bushing
ECP 1101 F/A-18 A-D Inner Wing Aft Closure Rib Retrofit
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 MLG Critical Components Retrofit
ECP 1122 F/A-18 A-D NLG Critical Components Retrofit
ECP 1125 F/A-18 A-D Y470 Inner Wing Panel Lug
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 O/B 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

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 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 6431 F/A-18 A-D In-Flight Refueling (IFR) Probe Timer Bellcrank Fitting ECP 5070 Generator Converter Unit Silicon Controlled Rectifier ECP XXX26 F/A-18 A-D Structural Stress Corrosion Cracking Issues ECP XXX27 F/A-18 A-D Subsystems Retrofit Upgrades Issues ECP XXX30 F/A-18 A-D Flight Control Surfaces Issues ECP MB9376 Lanyard Retention Collar ECP 1071 NI F/A-18 A-D MLG Planing Mechanism Assembly Perf Upgrade ECP 1119 F/A-18 A-D Lower Center Keel ECS Bleed Air Ducts & Insulation 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 XXX28 F/A-18 A-D ECS Subsystems Upgrade Issues ECP XXX29 F/A-18 A-D Fuel Related Upgrade Issues ECP XXX31 F/A-18 A-D Kapton Wiring Modification Improvement - Modification to upgrade aircraft electrical wiring ECP XXX32 F/A-18 A-D Y470 Inner Wing Panel Lug - Modification to the Y470 Inner Wing Panel Lug ECP XXX33 F/A-18 A-D NACES Retrofit Upgrades - AFC-XXX 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 2015 Navy		Date: March 2014
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)

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 974 NI MLG Y488 Bulkhead - Organic	- / -	- / -	20 / 0.188	- / -	- / -	- / -	120 / 1.158	60 / 0.589	60 / 0.600	60 / 0.611	90 / 0.933	410 / 4.079	
1.1.2) ECP 590 OBOGS SSOM, Safety ECP - Organic	59 / 0.539	- / -	- / -	276 / 2.340	- / -	276 / 2.340	- / -	- / -	- / -	- / -	- / -	335 / 2.879	
1.1.3) ECP 6217C1 Cockpit Pressurization Warning System (CPWS) - Organic	604 / 8.039	26 / 0.366	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	630 / 8.405	
1.1.4) ECP 609 F/A-18 A-D Inner Wing Conversion and Reliability Improvements - Organic	3 / 1.668	12 / 1.238	8 / 0.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.392	35 / 5.138	
1.1.5) ECP 1022 NI Inner Wing Fatigue Improvement - Organic	601 / 2.062	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	601 / 2.062	
1.1.6) ECP 1034 NI Trailing Edge Flap/Aileron Attach Log Bushing - Organic	- / -	603 / 1.523	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	603 / 1.523	
1.1.7) ECP 1101 F/A-18 A-D Inner Wing Aft Closure Rib Retrofit - Organic	15 / 6.068	75 / 0.464	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	90 / 6.532	
1.1.8) ECP 1102 Y508 Former Shear Tie Fastener Holes Retrofit - Organic	100 / 0.495	- / -	- / -	125 / 0.378	- / -	125 / 0.378	95 / 0.195	- / -	- / -	- / -	- / -	320 / 1.068	
1.1.9) ECP 1121 F/A-18 A-D MLG Critical Components Retrofit - Organic	- / -	4 / 2.251	- / -	75 / 8.726	- / -	75 / 8.726	- / -	- / -	42 / 7.713	- / -	- / -	121 / 18.690	
1.1.10) ECP 1122 F/A-18 A-D NLG Critical Components Retrofit - Organic	- / -	8 / 1.816	- / -	84 / 1.274	- / -	84 / 1.274	- / -	- / -	4 / 0.993	4 / 1.011	- / -	100 / 5.094	
1.1.11) ECP 1125 F/A-18 A-D Y470 Inner Wing Panel Lug - Organic	- / -	120 / 0.356	68 / 0.190	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	188 / 0.546	
1.1.12) ECP 1098NI F/A-18 A-D Y615 Former and Bootstrap Retrofit - Organic	- / -	79 / 4.414	56 / 3.499	20 / 1.272	- / -	20 / 1.272	50 / 3.238	25 / 1.648	25 / 1.678	50 / 3.416	- / -	305 / 19.165	
1.1.13) ECP 1118NI F/A-18 A-D Y580.5/Y590.5 Former Replacement Modline - Organic	- / -	80 / 4.750	10 / 0.604	25 / 1.538	- / -	25 / 1.538	60 / 3.758	30 / 1.913	30 / 1.947	60 / 3.965	- / -	295 / 18.475	
1.1.14) ECP 1120NI F/A-18 A-D Upper O/B Longeron Y453/Y508 Fw Section Splice - Organic	- / -	70 / 2.075	10 / 0.302	10 / 0.307	- / -	10 / 0.307	100 / 3.127	30 / 0.955	30 / 0.972	60 / 1.980	- / -	310 / 9.718	
1.1.15) ECP 1137NI Fire Extinguisher Temp Compensating Pressure Switch - Organic	- / -	4 / 0.013	20 / 0.066	165 / 0.554	- / -	165 / 0.554	135 / 0.462	41 / 0.143	- / -	- / -	- / -	365 / 1.238	
1.1.16) ECP 1140NI Aileron Servocylindr Main Ram Linear Var Displcmnt Trnsfmr - Organic	- / -	- / -	20 / 0.173	- / -	- / -	- / -	120 / 1.080	120 / 1.099	120 / 1.119	20 / 0.190	- / -	400 / 3.661	
1.1.17) ECP-1142NI Y326.5 Lead Edge Ext (LEX) Spt Fitting & Substructure - Organic	- / -	240 / 0.393	20 / 0.052	120 / 0.318	- / -	120 / 0.318	56 / 0.151	- / -	- / -	- / -	- / -	436 / 0.914	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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-1142C1NI Y394.2 LEX Connecting Link Retrofit - Organic	- / -	- / -	- / -	120 / 0.060	- / -	120 / 0.060	120 / 0.061	120 / 0.062	- / -	- / -	- / -	360 / 0.183	
1.1.19) ECP 1148NI Speed Brake Arresting Hook Actuator Fitting Retrofit - Organic	- / -	180 / 1.383	20 / 0.228	120 / 1.469	- / -	120 / 1.469	15 / 0.186	- / -	- / -	- / -	35 / 0.428	370 / 3.694	
1.1.20) ECP-6431 In-Flight Refueling Probe Timer Bellcrank Fitting - Organic	- / -	8 / 0.118	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.118	
1.1.21) ECP 5070 Generator Convertor Unit Silicon Controlled Rectifier - Organic	1,260 / 3.351	3,552 / 4.179	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4,812 / 7.530	
1.1.22) ECP XXX26 Structural Stress Corrosion Crack Issues - Organic	- / -	- / -	32 / 0.831	- / -	- / -	- / -	60 / 3.235	60 / 3.293	60 / 3.353	60 / 3.413	15 / 0.868	287 / 14.993	
1.1.23) ECP XXX27 F/A-18 A-D Subsystems Retrofit Upgrades Issues - Organic	- / -	- / -	120 / 4.984	- / -	- / -	- / -	60 / 2.588	60 / 2.635	60 / 2.682	60 / 2.730	15 / 0.533	375 / 16.152	
1.1.24) ECP XXX28 F/A-18 A-D ECS Subsystems Upgrade Issues - Organic	- / -	- / -	- / -	- / -	- / -	- / -	60 / 1.586	60 / 1.614	60 / 1.643	60 / 1.673	15 / 0.418	255 / 6.934	
1.1.25) ECP XXX29 F/A-18 A-D Fuel Related Upgrade Issues - Organic	- / -	- / -	- / -	- / -	- / -	- / -	60 / 0.634	25 / 0.269	25 / 0.274	25 / 0.279	120 / 1.338	255 / 2.794	
1.1.26) ECP-XXX30 F/A-18 A-D Flight Control Surfaces Issues - Organic	- / -	- / -	120 / 1.246	- / -	- / -	- / -	60 / 0.647	60 / 0.659	60 / 0.671	60 / 0.683	15 / 0.133	375 / 4.039	
1.1.27) ECP-XXX32 - F/A-18 A-D NACES Retrofit Upgrades - Organic ⁽¹⁾	- / -	- / -	- / -	- / -	- / -	- / -	100 / 1.310	100 / 1.334	100 / 1.358	100 / 1.383	- / -	400 / 5.385	
1.1.28) ECP MB9376 Lanyard Retention Collar - Organic	- / -	479 / 0.047	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	479 / 0.047	
1.1.29) ECP 1071 NI F/A-18 A-D MLG Planing Mechanism Assembly Perf Upgrade - Organic	649 / 2.975	150 / 2.042	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	799 / 5.017	
1.1.30) ECP 1119 F/A-18 A-D Lower Center Keel ECS Bleed Air Ducts & Insulation - Organic	180 / 3.893	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	180 / 3.893	
1.1.31) Archived ECPs - Organic	34,652 / 217.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34,652 / 217.275	
Subtotal: Recurring	- / 246.365	- / 27.428	- / 13.203	- / 18.236	- / -	- / 18.236	- / 23.416	- / 16.213	- / 25.003	- / 21.334	- / 6.043	- / 397.241	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 62.574	- / 0.576	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 63.150	
Subtotal: Non-Recurring	- / 62.574	- / 0.576	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 63.150	
B Kits													
Recurring													
2.1.1) Installation Equipment - Organic	- / 2.267	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.267	
Subtotal: Recurring	- / 2.267	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.267	
Non-Recurring													

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	
2.2.1) Installation Equipment N/R - Organic	- / 0.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.120	
<i>Subtotal: Non-Recurring</i>	- / 0.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.120	
<i>Subtotal: Correction of Discrepancies (OSIP 11-84)</i>	38,123 / 311.326	5,690 / 28.004	524 / 13.203	1,140 / 18.236	- / -	1,140 / 18.236	1,271 / 23.416	791 / 16.213	676 / 25.003	619 / 21.334	317 / 6.043	49,151 / 462.778	
<i>Subtotal: Procurement, All Modification Items</i>	- / 311.326	- / 28.004	- / 13.203	- / 18.236	- / -	- / 18.236	- / 23.416	- / 16.213	- / 25.003	- / 21.334	- / 6.043	- / 462.778	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 15.297	- / 0.903	- / 0.069	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.269	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 3.127	- / 4.268	- / 4.345	- / 1.265	- / -	- / 1.265	- / 1.295	- / 1.318	- / 1.342	- / 1.366	- / 1.500	- / 19.826	
3.5) ILS	- / 349.526	- / 6.781	- / 6.903	- / 7.027	- / -	- / 7.027	- / 7.154	- / 7.283	- / 7.370	- / 7.503	- / 7.638	- / 407.185	
3.6) Other Support	- / 28.179	- / 21.727	- / 22.118	- / 22.516	- / -	- / 22.516	- / 22.922	- / 23.334	- / 23.614	- / 24.039	- / 24.472	- / 212.921	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.8) Installation Cost ⁽²⁾	30,109 / 257.391	142 / 6.122	1,166 / 30.067	1,532 / 27.818	- / -	1,532 / 27.818	1,737 / 41.663	1,499 / 42.208	1,012 / 27.964	697 / 25.569	2,178 / 148.326	40,072 / 607.128	
<i>Subtotal: Support</i>	- / 653.520	- / 39.801	- / 63.502	- / 58.626	- / -	- / 58.626	- / 73.034	- / 74.143	- / 60.290	- / 58.477	- / 181.936	- / 1,263.329	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	964.846	67.805	76.705	76.862	-	76.862	96.450	90.356	85.293	79.811	187.979	1,726.107	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - ECP 974 NI MLG Y488 Bulkhead					Installation Quantity: 410		
Method of Implementation (Organic): Not Installed - ECP 590 OBOGS SSOM, Safety ECP					Installation Quantity: 335		
Method of Implementation (Organic): Not Installed - ECP 6217C1 Cockpit Pressurization Warning System (CPWS)					Installation Quantity: 630		
Method of Implementation (Organic): Not Installed - ECP 609 F/A-18 A-D Inner Wing Conversion and Reliability Improvements					Installation Quantity: 35		
Method of Implementation (Organic): Not Installed - ECP 1022 NI Inner Wing Fatigue Improvement					Installation Quantity: 601		
Method of Implementation (Organic): Not Installed - ECP 1034 NI Trailing Edge Flap/Aileron Attach Log Bushing					Installation Quantity: 603		
Method of Implementation (Organic): Organic - ECP 1101 F/A-18 A-D Inner Wing Aft Closure Rib Retrofit					Installation Quantity: 90		
Method of Implementation (Organic): Not Installed - ECP 1102 Y508 Former Shear Tie Fastener Holes Retrofit					Installation Quantity: 320		
Method of Implementation (Organic): Organic - ECP 1121 F/A-18 A-D MLG Critical Components Retrofit					Installation Quantity: 121		
Method of Implementation (Organic): Organic - ECP 1122 F/A-18 A-D NLG Critical Components Retrofit					Installation Quantity: 100		
Method of Implementation (Organic): Not Installed - ECP 1125 F/A-18 A-D Y470 Inner Wing Panel Lug					Installation Quantity: 188		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - ECP 1098NI F/A-18 A-D Y615 Former and Bootstrap Retrofit		Installation Quantity: 305
Method of Implementation (Organic): Not Installed - ECP 1118NI F/A-18 A-D Y580.5/Y590.5 Former Replacement Modline		Installation Quantity: 295
Method of Implementation (Organic): Not Installed - ECP 1120NI F/A-18 A-D Upper O/B Longerons Y453/Y508 Fw Section Splice		Installation Quantity: 310
Method of Implementation (Organic): Not Installed - ECP 1137NI Fire Extinguisher Temp Compensating Pressure Switch		Installation Quantity: 365
Method of Implementation (Organic): Not Installed - ECP 1140NI Aileron Servocylnr Main Ram Linear Var Displcmnt Trnsfrmr		Installation Quantity: 400
Method of Implementation (Organic): Not Installed - ECP-1142NI Y326.5 Lead Edge Ext (LEX) Spt Fitting & Substructure		Installation Quantity: 436
Method of Implementation (Organic): Not Installed - ECP-1142C1NI Y394.2 LEX Connecting Link Retrofit		Installation Quantity: 360
Method of Implementation (Organic): Not Installed - ECP 1148NI Speed Brake Arresting Hook Actuator Fitting Retrofit		Installation Quantity: 370
Method of Implementation (Organic): Not Installed - ECP-6431 In-Flight Refueling Probe Timer Bellcrank Fitting		Installation Quantity: 8
Method of Implementation (Organic): Not Installed - ECP 5070 Generator Converter Unit Silicon Controlled Rectifier		Installation Quantity: 4812
Method of Implementation (Organic): Not Installed - ECP XXX26 Structural Stress Corrosion Crack Issues		Installation Quantity: 287
Method of Implementation (Organic): Not Installed - ECP XXX27 F/A-18 A-D Subsystems Retrofit Upgrades Issues		Installation Quantity: 375
Method of Implementation (Organic): Organic - ECP XXX28 F/A-18 A-D ECS Subsystems Upgrade Issues		Installation Quantity: 255
Method of Implementation (Organic): Not Installed - ECP XXX29 F/A-18 A-D Fuel Related Upgrade Issues		Installation Quantity: 255

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - ECP-XXX30 F/A-18 A-D Flight Control Surfaces Issues		Installation Quantity: 375
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 MB9376 Lanyard Retention Collar		Installation Quantity: 479
Method of Implementation (Organic): Not Installed - ECP 1071 NI F/A-18 A-D MLG Planing Mechanism Assembly Perf Upgrade		Installation Quantity: 799
Method of Implementation (Organic): Not Installed - ECP 1119 F/A-18 A-D Lower Center Keel ECS Bleed Air Ducts & Insulation		Installation Quantity: 180
Method of Implementation (Organic): Not Installed - Archived ECPs		Installation Quantity: 34652
Method of Implementation (Organic): Not Installed - Installation Cost		Installation Quantity: 40072
Footnotes: ⁽¹⁾ Variants include single and dual seats, therefore some aircraft require 2 kits. ⁽²⁾ Installation costs vary by FY due to different ECPs being installed.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	46.302	12.879	19.375	10.978	-	10.978	15.356	24.583	40.594	44.211	6.381	220.659
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	46.302	12.879	19.375	10.978	-	10.978	15.356	24.583	40.594	44.211	6.381	220.659
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	46.302	12.879	19.375	10.978	-	10.978	15.356	24.583	40.594	44.211	6.381	220.659

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 (USMC), United States Navy, and United States Air Force digital communications devices to facilitate Close Air Support, Deep Air Strike, and Tactical Air Control missions. DCS reduces voice communications requirements which tend to be slow, inaccurate, and susceptible to Meaconing, 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). 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:

System Configuration Set (SCS) Integration USMC; DCS (WRA) (RT-1824); Gen 5 Radio (RT-1990/A); 25X SCS; 27C SCS; H10 SCS; H12 SCS; DCS SCS B-kits

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The AN/ARC-210 RT is being upgraded to a DCS RT. The Initial Engineering Developmental Model was delivered (using Research Development Test & Evaluation, Navy resources) in FY1998 as scheduled. The F/A-18C/D requirements will be satisfied by retrofitting DCS into Lot X through Lot XXI. Functionality was provided in the Operational Flight Program 15C fleet release in FY2000. Initial procurement of installation kits was awarded May 1999. F/A-18C/D Lots X and XI required an Amplifier Control Intercommunication (ACI) and DCS radio. Additional ACI requirements for increased install provisions are currently funded under OSIP 12-99.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 2.003	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.003	
Subtotal: Non-Recurring	- / 2.003	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.003	
B Kits													
Recurring													
2.1.1) System Configuration Set (SCS) Integration USMC DCS - Organic	- / -	- / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.200	
2.1.2) DCS (WRA) (RT-1824) - Organic	8 / 0.816	5 / 0.512	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 1.328	
2.1.3) Gen 5 Radio (RT-1990/A) - Organic ⁽³⁾	- / -	- / -	99 / 10.318	20 / 2.122	- / -	20 / 2.122	83 / 8.965	200 / 21.990	334 / 37.385	359 / 40.908	56 / 6.381	1,151 / 128.069	
2.1.4) 25X SCS - Organic	- / 0.258	- / 0.068	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.326	
2.1.5) 27C SCS - Organic ⁽⁴⁾	- / 3.225	- / 1.365	- / 3.994	- / 4.832	- / -	- / 4.832	- / 3.638	- / -	- / -	- / -	- / -	- / 17.054	
2.1.6) H10 SCS - Organic	- / 10.144	- / 6.383	- / 1.800	- / 0.202	- / -	- / 0.202	- / -	- / -	- / -	- / -	- / -	- / 18.529	
2.1.7) H12 SCS - Organic	- / -	- / -	- / 1.293	- / 1.816	- / -	- / 1.816	- / 0.711	- / 0.514	- / -	- / -	- / -	- / 4.334	
2.1.8) DCS SCS B-kits - Organic	- / -	- / 1.793	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.793	
2.1.9) B-Kits Archive - Organic	176 / 11.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	176 / 11.250	
2.1.10) Prior Year Installation Costs - Organic	528 / 6.779	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	528 / 6.779	
Subtotal: Recurring	- / 32.472	- / 11.321	- / 17.405	- / 8.972	- / -	- / 8.972	- / 13.314	- / 22.504	- / 37.385	- / 40.908	- / 6.381	- / 190.662	
Non-Recurring													
2.2.1) Install Equipment N/R - Organic ⁽⁵⁾	- / 1.593	- / 0.474	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.092	- / 1.148	- / -	- / 4.307	
Subtotal: Non-Recurring	- / 1.593	- / 0.474	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.092	- / 1.148	- / -	- / 4.307	
Subtotal: Digital Communications System (DCS) (OSIP 10-99)	1,195 / 37.863	5 / 11.795	99 / 17.405	20 / 8.972	- / -	20 / 8.972	83 / 13.314	200 / 22.504	334 / 38.477	359 / 42.056	56 / 6.381	2,351 / 198.767	
Subtotal: Procurement, All Modification Items	- / 37.863	- / 11.795	- / 17.405	- / 8.972	- / -	- / 8.972	- / 13.314	- / 22.504	- / 38.477	- / 42.056	- / 6.381	- / 198.767	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.483	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.483	
3.2) Data	- / 0.028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.028	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - A-Kits Archive					Installation Quantity: 483		
Method of Implementation (Organic): Organic - DCS (WRA) (RT-1824)					Installation Quantity: 13		
Method of Implementation (Organic): Not Installed - Gen 5 Radio (RT-1990/A)					Installation Quantity: 1151		
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: ⁽³⁾ The "Gen 5 Radio" (RT-1990/A) kits are broken out separately from the "DCS (WRA)" (RT-1824) kits because the Gen 5 Radios (RT-1990/A) will replace the previously appropriated "DCS (WRA)" (RT-1824) kits. ⁽⁴⁾ Funding increases in FY15 due to ramp up of 27C effort. ⁽⁵⁾ Installation Equipment N/R funding increases in FY18 due to ramp up of Gen 5 Radio (RT-1990/A) B-kit efforts in FY18.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	889.973	132.429	93.705	117.102	-	117.102	175.326	161.346	148.161	160.395	1,221.883	3,100.320
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	889.973	132.429	93.705	117.102	-	117.102	175.326	161.346	148.161	160.395	1,221.883	3,100.320
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	889.973	132.429	93.705	117.102	-	117.102	175.326	161.346	148.161	160.395	1,221.883	3,100.320
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 enhancements and changes 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 (FLE) 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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	223 / 251.990	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	223 / 251.990	
1.1.2) CBR+ ECP 904 Part 1 (Basic) WRFLE SLEP - Day Attack - NonOrganic ⁽⁶⁾	104 / 48.163	23 / 14.256	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	127 / 62.419	
1.1.3) CBR ECP 904 Part 1 Loose parts - Organic ⁽⁷⁾	- / -	- / -	2 / 1.000	- / -	- / -	- / -	21 / 4.469	- / -	- / -	- / -	- / -	23 / 5.469	
1.1.4) CBR+ ECP 904 Part 2 (Need Part 1) - NonOrganic ⁽⁸⁾	147 / 71.504	6 / 0.114	9 / 0.174	8 / 0.158	- / -	8 / 0.158	- / -	- / -	- / -	- / -	- / -	170 / 71.950	
1.1.5) ECP 1099 NLG Retract Actuator Supports (AFC-579) - NonOrganic	1 / 0.018	1 / 0.018	2 / 0.037	2 / 0.037	- / -	2 / 0.037	2 / 0.038	2 / 0.039	2 / 0.039	2 / 0.040	4 / 0.082	18 / 0.348	
1.1.6) ECP XXCF09 FLOOR SEGMENT-FUEL BAY, CTR, Y374.8-Y453, ASSY OF - NonOrganic	- / -	- / -	- / -	2 / 0.007	- / -	2 / 0.007	47 / 0.173	43 / 0.161	21 / 0.080	16 / 0.062	21 / 0.084	150 / 0.567	
1.1.7) ECP XXW02 RIB, WING, OUTER-CANTED XW179.700 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.162	43 / 3.494	23 / 1.902	30 / 2.526	52 / 4.502	150 / 12.586	
1.1.8) ECP XXACF03 PLATE,STRUCTURAL,AIRCRAFT-DUCT,Y526.000 TO Y557.500 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.027	43 / 0.576	23 / 0.314	30 / 0.416	52 / 0.742	150 / 2.075	
1.1.9) ECP XXACF04 PLATE, STRUCTURAL, AIRCRAFT-FUS CTR SECT, Y544.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.054	43 / 1.152	23 / 0.627	30 / 0.833	52 / 1.484	150 / 4.150	
1.1.10) ECP XXW03 SPAR, WING, OUTER-53.8% - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.174	43 / 3.735	23 / 2.034	30 / 2.701	52 / 4.814	150 / 13.458	
1.1.11) ECP XXACF07 SUPPORT, FLOOR-FUEL BAY, Y518.000 TO Y557.500 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.045	23 / 0.523	30 / 0.695	95 / 2.297	150 / 3.560	
1.1.12) ECP XXACF08 SUPPORT,FLOOR-FUEL BAY,Y488.000 TO Y526.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.027	23 / 0.314	30 / 0.417	95 / 1.378	150 / 2.136	
1.1.13) ECP XXACF09 LONGERON-ATTACH, FUEL BAY FLOOR TO KEEL, Y488 TO Y526 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.029	23 / 0.330	30 / 0.438	95 / 1.447	150 / 2.244	
1.1.14) ECP XXW04 SPAR ASSY-WING, OUTER 68 % - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.164	23 / 1.890	30 / 2.509	95 / 8.297	150 / 12.860	
1.1.15) ECP XXACF11 SUPPORT, FLOOR-FUEL BAY, Y478.500 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.291	23 / 3.348	30 / 4.446	95 / 14.704	150 / 22.789	
1.1.16) ECP XXW01 SUPPORT, STRUCTURAL COMPONENT, AIRCRAFT-OUTBD PYLON - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.735	148 / 56.352	150 / 57.087	

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	148 / 4.520	150 / 4.579	
1.1.18) ECP XXW07 SPLICE PLATE-OUTBD, LWR, INNER WING, XW134.464 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.138	148 / 10.560	150 / 10.698	
1.1.19) ECP XXW08 SPLICE PLATE-OUTBD, UPR, INNER WING, XW134.464 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.138	148 / 10.560	150 / 10.698	
1.1.20) ECP XXW09 SPLICE PLATE-INBD, LOWER, INNER WING, XW88.121 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.302	148 / 23.185	150 / 23.487	
1.1.21) CECF XXW10 SPLICE PLATE-INBD, UPR, INNER WING, XW88.121 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.735	148 / 56.352	150 / 57.087	
1.1.22) ECP XXW11 RIB-AFT, WING, INNER, XW84.720 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.059	148 / 4.520	150 / 4.579	
1.1.23) ECP XXW12 FITTING-SPLICE, AFT, SPAR NO 1 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.138	148 / 10.560	150 / 10.698	
1.1.24) ECP XXW27 SPAR-FWD, WING PANEL, INNER - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.138	148 / 10.560	150 / 10.698	
1.1.25) ECP XXW20 SPAR, WING, OUTER-INTMD, NO. 2 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.130	30 / 1.952	23 / 1.524	30 / 2.023	65 / 4.530	150 / 10.159	
1.1.26) ECP XXW21 SPAR, WING, OUTER-INTERMEDIATE NO. 1 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.130	30 / 1.952	23 / 1.524	30 / 2.023	65 / 4.530	150 / 10.159	
1.1.27) ECP XXACF13 SUPPORT, FLOOR-FUS CTR SECTION, Y544.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.184	23 / 2.118	30 / 2.813	95 / 9.301	150 / 14.416	
1.1.28) ECP XXACF14 FORMER,FUSELAGE UPPER,CENTER SECTION Y534.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.057	23 / 0.653	30 / 0.867	95 / 2.867	150 / 4.444	
1.1.29) ECP XXACF15 FORMER-FUS CTR SECT, SIDE HOISTING, Y534.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.066	23 / 0.754	30 / 1.001	95 / 3.309	150 / 5.130	
1.1.30) ECP XXACF17 FORMER-FUS CTR SECT, UPPER,Y508.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.177	23 / 2.036	30 / 2.703	95 / 8.941	150 / 13.857	
1.1.31) ECP XXACF18 FORMER SEGMENT-FUS CTR SECT, UPPER, Y497.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.177	23 / 2.036	30 / 2.703	95 / 8.941	150 / 13.857	
1.1.32) ECP XXACF16 FORMER-UPPER SEGMENT Y518.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.019	30 / 0.292	118 / 1.206	150 / 1.517	
1.1.33) ECP XXACF21 LONGERON-FUS CTR SECT, SIDE, Y453.02-Y542.60 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.047	30 / 0.701	118 / 2.895	150 / 3.643	
1.1.34) ECP XXW15 INTERCOSTAL-WING, INNER, Y488.000, ASSY OF - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.198	148 / 15.213	150 / 15.411	
1.1.35) ECP XXW16 WEB-INTERCOSTAL, WING, INNER, Y488.00 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.032	148 / 2.434	150 / 2.466	
1.1.36) ECP XXW17 INTERCOSTAL-WING, INNER, Y470.50 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.048	148 / 3.651	150 / 3.699	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy			Date: March 2014		
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>
1.1.37) ECP XXACF24 LONGERON-LOWER INBD Y488.000 TO Y557.500 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.048	148 / 3.651	150 / 3.699
1.1.38) ECP XXACF25 FORMER- FUS CTR SECT, UPPER, Y462.250 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.034	148 / 2.586	150 / 2.620
1.1.39) ECP XXACF26 FORMER - FUS CTR SECT, UPPER, Y478.500 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.019	148 / 1.432	150 / 1.451
1.1.40) ECP XXW22 RIB-OUTBD, ACTR BACKUP, WING, INNER, XW91.360 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.495	148 / 37.974	150 / 38.469
1.1.41) ECP XXW23 RIB-OUTBD, ACTR BACKUP, WING, INNER, XW85.220 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.495	148 / 37.974	150 / 38.469
1.1.42) ECP XXW25 RIB-INBD, ACTR BACKUP, WING, INNER, XW85.220 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.534	148 / 40.945	150 / 41.479
1.1.43) ECP XXW26 RIB-INBD, ACTR BACKUP, WING, INNER XW91.360 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.495	148 / 37.974	150 / 38.469
1.1.44) ECP XXFFL02 SPT ASSY-OUTBD, AFT, LE EXT, LH, AFT (see 74A200932 RH) - NonOrganic	- / -	- / -	- / -	2 / 0.198	- / -	2 / 0.198	45 / 4.464	33 / 3.332	25 / 2.570	17 / 1.779	28 / 3.014	150 / 15.357
1.1.45) ECP XXFFL03 SPAR-INBD AFT, LE EXT, LH (see 74A200929 & 74A200930 RH) - NonOrganic	- / -	- / -	- / -	2 / 0.198	- / -	2 / 0.198	45 / 4.464	33 / 3.332	25 / 2.570	17 / 1.779	28 / 3.014	150 / 15.357
1.1.46) ECP XXACF02 ADAPTER - MISSILE LAUNCHER, Y488 - Y497 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.025	30 / 0.375	28 / 0.356	30 / 0.389	60 / 0.809	150 / 1.954
1.1.47) ECP XXW28 PIN, HOLLOW-WING/FUS ATTACH (LOWER) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.014	30 / 0.214	28 / 0.204	30 / 0.222	60 / 0.462	150 / 1.116
1.1.48) ECP XXW05 CLOSURE-AFT, MISSILE SUPPORT RIB - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.087	30 / 1.312	28 / 1.247	30 / 1.360	60 / 2.829	150 / 6.835
1.1.49) ECP XXAF07 ARM, ACTUATING-HORIZONTAL STABILIZER - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.011	30 / 0.165	28 / 0.157	30 / 0.171	60 / 0.356	150 / 0.860
1.1.50) ECP XXACF12 SUPPORT,FLOOR-FUEL BAY,Y470.500 TO Y488.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.016	28 / 0.229	30 / 0.250	90 / 0.784	150 / 1.279
1.1.51) ECP XXACF10 PLATE, STRUCTURAL, AIRCRAFT-KEEL ATTACH, Y488.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.023	28 / 0.321	30 / 0.350	90 / 1.097	150 / 1.791
1.1.52) ECP XXFFL04 SUPPORT-WEB, X7.0, CANTED Y260.677 - Y286.5, Z111.65 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / -	28 / 0.003	30 / 0.003	90 / 0.009	150 / 0.015
1.1.53) ECP XXW13 RIB-AFT,WING,INNER,XW91.920 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.156	30 / 2.336	118 / 9.606	150 / 12.098
1.1.54) ECP XXFFL06 BULKHEAD-FWD FUS, ACFT, Y260.677 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / -	30 / 0.003	118 / 0.012	150 / 0.015
1.1.55) ECP XXW14 RIB,WING,OUTER-TRAILING EDGE,CXW181.25 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.117	30 / 1.752	118 / 7.204	150 / 9.073

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
1.1.56) ECP XXACF20 PLATE, STRUCTURAL, AIRCRAFT-FUS CTR SECT, LWR, Y488.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.029	30 / 0.438	118 / 1.801	150 / 2.268	
1.1.57) ECP XXAF03 PLATE, T-LONGERON, Y607.000, Y615.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.004	30 / 0.061	118 / 0.252	150 / 0.317	
1.1.58) ECP XXACF23 WEB-KEEL, Y488-Y518 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.020	148 / 1.516	150 / 1.536	
1.1.59) ECP XXACF28 WEB, SUPPORT-MISSILE LAUNCHER, Y488.000 TO Y534.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.010	148 / 0.758	150 / 0.768	
1.1.60) ECP XXW24 RIB-AFT, WING, INNER, XW118.780 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.159	148 / 12.127	150 / 12.286	
1.1.61) ECP XXACF27 WEB-LONGERON TO DUCT, WING DRAG, Y453-Y488 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.010	148 / 0.758	150 / 0.768	
Subtotal: Recurring	- / 371.675	- / 14.388	- / 1.211	- / 0.598	- / -	- / 0.598	- / 14.422	- / 23.047	- / 30.075	- / 46.141	- / 503.762	- / 1,005.319	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽⁹⁾	- / 76.687	- / 26.419	- / 33.970	- / 33.775	- / -	- / 33.775	- / 62.763	- / 46.081	- / 20.835	- / 33.495	- / 60.033	- / 394.058	
Subtotal: Non-Recurring	- / 76.687	- / 26.419	- / 33.970	- / 33.775	- / -	- / 33.775	- / 62.763	- / 46.081	- / 20.835	- / 33.495	- / 60.033	- / 394.058	
B Kits													
Recurring													
2.1.1) Fuel Cell Refurb & RIM (RIM start FY08) - NonOrganic ⁽¹⁰⁾	236 / 25.758	18 / 4.800	6 / 1.629	20 / 5.527	- / -	20 / 5.527	24 / 6.752	20 / 5.728	16 / 4.665	9 / 2.671	- / -	349 / 57.530	
2.1.2) Nacelle RIM (271 & 316C1) - NonOrganic ⁽¹¹⁾	18 / 1.040	16 / 1.170	6 / 0.447	20 / 1.516	- / -	20 / 1.516	24 / 1.851	20 / 1.571	16 / 1.279	9 / 0.732	- / -	129 / 9.606	
2.1.3) Prior Year Installation costs - Organic ⁽¹²⁾	126 / 10.795	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	126 / 10.795	
Subtotal: Recurring	- / 37.593	- / 5.970	- / 2.076	- / 7.043	- / -	- / 7.043	- / 8.603	- / 7.299	- / 5.944	- / 3.403	- / -	- / 77.931	
Non-Recurring													
2.2.1) Install Equipment N/R - Organic ⁽¹³⁾	- / 3.270	- / 7.859	- / 1.398	- / 4.121	- / -	- / 4.121	- / 5.920	- / -	- / 3.279	- / 3.282	- / -	- / 29.129	
Subtotal: Non-Recurring	- / 3.270	- / 7.859	- / 1.398	- / 4.121	- / -	- / 4.121	- / 5.920	- / -	- / 3.279	- / 3.282	- / -	- / 29.129	
Subtotal: F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+	855 / 489.225	64 / 54.636	25 / 38.655	56 / 45.537	- / -	56 / 45.537	228 / 91.708	529 / 76.427	683 / 60.133	1,016 / 86.321	6,109 / 563.795	9,565 / 1,506.437	
Subtotal: Procurement, All Modification Items	- / 489.225	- / 54.636	- / 38.655	- / 45.537	- / -	- / 45.537	- / 91.708	- / 76.427	- / 60.133	- / 86.321	- / 563.795	- / 1,506.437	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 17.701	- / 0.226	- / 0.500	- / 0.437	- / -	- / 0.437	- / -	- / -	- / -	- / -	- / -	- / 18.864	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	- / -	- / 7.153	- / 6.902	- / 3.440	- / -	- / 3.440	- / 3.502	- / 0.420	- / -	- / -	- / -	- / 21.417	
3.5) ILS	- / 59.487	- / 8.766	- / 7.976	- / 8.120	- / -	- / 8.120	- / 10.367	- / 10.554	- / 8.547	- / 11.325	- / 26.695	- / 151.837	
3.6) Other Support	- / 31.195	- / 24.808	- / 26.770	- / 27.252	- / -	- / 27.252	- / 29.880	- / 30.342	- / 28.751	- / 30.268	- / 76.141	- / 305.407	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 108.383	- / 40.953	- / 42.148	- / 39.249	- / -	- / 39.249	- / 43.749	- / 41.316	- / 37.298	- / 41.593	- / 102.836	- / 497.525	
Installation													
<i>Modification Item 1 of 1:</i> F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+	- / 292.365	- / 36.840	- / 12.902	- / 32.316	- / -	- / 32.316	- / 39.869	- / 43.603	- / 50.730	- / 32.481	- / 555.252	- / 1,096.358	
<i>Subtotal: Installation</i>	- / 292.365	- / 36.840	- / 12.902	- / 32.316	- / -	- / 32.316	- / 39.869	- / 43.603	- / 50.730	- / 32.481	- / 555.252	- / 1,096.358	
Total													
Total Cost (Procurement + Support + Installation)	889.973	132.429	93.705	117.102	-	117.102	175.326	161.346	148.161	160.395	1,221.883	3,100.320	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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+							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: CBR+ (ECP 904 Part 1) - Day Attack				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 12				Production Leadtime (<i>in Months</i>): 4			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Sep 2013						
Delivery Dates	Jan 2014						
Manufacturer Name: CBR+ (ECP 904 Part 2)				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 29			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Dec 2012	Dec 2013	Dec 2014				
Delivery Dates	May 2015	May 2016	May 2017				
Manufacturer Name: SLEP ECPs				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019
Delivery Dates		Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019
Manufacturer Name: Fuel Cell Refurb and RIM / Nacelle RIM				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 4			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016		
Delivery Dates	Apr 2013	Apr 2014	Apr 2015	Apr 2016	Apr 2017		
Manufacturer Name: CBR+ (ECP 904 Part 1) - Night Attack				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 4			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: ECP 1099 NLG Retract Actuator Supports				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 2				Production Leadtime (<i>in Months</i>): 12			

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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+

Modification Item MDAP/MAIS Code:

Manufacturer Information

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Nov 2012	Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018
Delivery Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018	Nov 2019

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	189 / 228.690	25 / 31.670	5 / 7.210	4 / 6.325	- / 0.000	4 / 6.325	- / -	- / -	- / -	- / -	- / -	223 / 273.895
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	189 / 228.690	25 / 31.670	5 / 7.210	4 / 6.325	- / -	4 / 6.325	- / -	- / -	- / -	- / -	- / -	223 / 273.895

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	189	8	8	8	1	1	1	1	2	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	223
Out	142	8	8	8	7	7	9	8	8	8	1	1	1	1	2	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	223

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	41 / 55.747	5 / 5.062	4 / 5.575	16 / 25.833	- / 0.000	16 / 25.833	24 / 39.285	14 / 23.328	- / -	- / -	- / -	104 / 154.830

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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+

Modification Item MDAP/MAIS Code:

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 9.998	16 / 27.141	1 / 1.727	- / -	23 / 38.866
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	41 / 55.747	5 / 5.062	4 / 5.575	16 / 25.833	- / -	16 / 25.833	24 / 39.285	20 / 33.326	16 / 27.141	1 / 1.727	- / -	127 / 193.696

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	41	-	-	-	5	1	1	1	1	4	4	4	4	6	6	6	6	5	5	5	5	4	4	4	4	1	-	-	-	-	127
Out	41	-	-	-	-	-	-	-	-	5	1	1	1	1	4	4	4	4	6	6	6	6	5	5	5	5	4	4	4	5	127

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	123 / 7.928	11 / 0.040	13 / 0.049	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	147 / 8.017
FY 2013	- / -	- / -	- / -	6 / 0.023	- / -	6 / 0.023	- / -	- / -	- / -	- / -	- / -	6 / 0.023
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.035	- / -	- / -	- / -	- / -	9 / 0.035
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.032	- / -	- / -	- / -	8 / 0.032
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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+

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	123 / 7.928	11 / 0.040	13 / 0.049	6 / 0.023	- / -	6 / 0.023	9 / 0.035	8 / 0.032	- / -	- / -	- / -	170 / 8.107

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	123	2	3	3	3	4	4	2	3	-	-	3	3	-	-	5	4	-	-	8	-	-	-	-	-	-	-	-	-	-	170
Out	109	2	2	2	2	3	3	2	3	3	3	4	4	2	3	-	-	3	3	-	-	5	4	-	-	8	-	-	-	-	170

Method of Implementation: [none specified] : Installation Name: ECP 1099 NLG Retract Actuator Supports (AFC-579)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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
FY 2013	- / -	- / -	1 / 0.068	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.068
FY 2014	- / -	- / -	- / -	2 / 0.135	- / -	2 / 0.135	- / -	- / -	- / -	- / -	- / -	2 / 0.135
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	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 / 0.148	2 / 0.148
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.296	4 / 0.296
Total	- / -	1 / 0.068	1 / 0.068	2 / 0.135	- / -	2 / 0.135	2 / 0.138	2 / 0.140	2 / 0.143	2 / 0.146	6 / 0.444	18 / 1.282

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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+

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: ECP 1099 NLG Retract Actuator Supports (AFC-579)

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	6	18
Out	-	1	-	-	-	1	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	6	18

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.411	- / -	- / -	- / -	- / -	6 / 0.411
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	157 / 10.105	- / -	- / -	- / -	157 / 10.105
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	487 / 23.446	- / -	- / -	487 / 23.446
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	649 / 30.608	- / -	649 / 30.608
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	996 / 47.250	996 / 47.250
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6,105 / 507.558	6,105 / 507.558
Total	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.411	157 / 10.105	487 / 23.446	649 / 30.608	7,101 / 554.808	8,400 / 619.378

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	257	230	-	-	352	297	-	-	7,101	8,400
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	89	68	-	-	257	230	-	-	352	297	-	-	7,101	8,400

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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+

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	254 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	254 / 0.000
FY 2013	- / -	40 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / -
FY 2014	- / -	- / -	32 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / -
FY 2015	- / -	- / -	- / -	38 / -	- / -	38 / -	- / -	- / -	- / -	- / -	- / -	38 / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	52 / -	- / -	- / -	- / -	- / -	52 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / -	- / -	- / -	- / -	40 / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / -	- / -	- / -	16 / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / -	- / -	9 / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	254 / 0.000	40 / -	32 / -	38 / -	- / -	38 / -	52 / -	40 / -	16 / -	9 / -	- / -	481 / -

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	254	-	-	20	20	-	-	16	16	-	-	19	19	-	-	26	26	-	-	20	20	-	-	8	8	-	-	5	4	-	481
Out	254	-	-	20	20	-	-	16	16	-	-	19	19	-	-	26	26	-	-	20	20	-	-	8	8	-	-	5	4	-	481

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: 126

Footnotes:

⁽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) FY12 ECP 904 Pt 1 cost includes funding for loose parts, resulting in an increased unit price. 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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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+

(8) A) Kit pricing is quantity sensitive. FMS 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 FY14 due to ramp up of SLEP efforts.

(10) Fuel Cell Refurb and 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.

(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 FY12/13 represent AFC-316 new Nacelle Production Line Shut Down at the vendor. Costs in FY14 represent CBR Line Shutdown at the vendor. Costs in FY17-19 represent Center Barrel Production Line Shutdown at two depots (FRCSE & FRCSW).

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	384.483	0.640	32.402	21.270	-	21.270	78.425	91.028	108.683	65.891	199.100	981.922
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	384.483	0.640	32.402	21.270	-	21.270	78.425	91.028	108.683	65.891	199.100	981.922
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	384.483	0.640	32.402	21.270	-	21.270	78.425	91.028	108.683	65.891	199.100	981.922
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 and CMN-4 provides increased Link 16 capacity to support Navy Integrated Fire Control-Counter Air (NIFC-CA). 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 (ORD) # 642-61-04 and MIDS JTRS Capability Production Document (CPD) Version 1.93 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 SCS

Future Modifications:
MIDS JTRS Terminals (CMN-4); MIDS JTRS Upgrades (CMN-4); 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.

Increase in funding beginning in FY14 is for all MIDS JTRS fleet with 4-Net Concurrent Multi-Netting and Concurrent Contention Receive (CMN/CCR).

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	
Subtotal: Recurring	- / 57.676	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 57.676	
B Kits													
Recurring													
2.1.1) MIDS JTRS Terminals (CMN-4) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	130 / 47.450	220 / 74.800	277 / 92.795	172 / 57.620	- / -	799 / 272.665	
2.1.2) MIDS JTRS Upgrades (CMN-4) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	67 / 8.040	63 / 6.930	66 / 6.600	- / -	- / -	196 / 21.570	
2.1.3) MIDS JTRS SCS - Organic	- / -	- / -	- / 15.600	- / 10.269	- / -	- / 10.269	- / 10.481	- / 2.000	- / 4.175	- / 4.175	- / -	- / 46.700	
2.1.4) E/F MIDS JTRS TTNT Terminals - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	414 / 130.800	414 / 130.800	
2.1.5) EA-18G MIDS JTRS TTNT Terminals - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	120 / 57.100	120 / 57.100	
2.1.6) B-Kits Archive - Organic	1,021 / 201.802	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,021 / 201.802	
2.1.7) Prior Year Installation Costs - Organic	461 / 39.882	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	461 / 39.882	
Subtotal: Recurring	- / 241.684	- / -	- / 15.600	- / 10.269	- / -	- / 10.269	- / 65.971	- / 83.730	- / 103.570	- / 61.795	- / 187.900	- / 770.519	
Non-Recurring													
2.2.1) Install Equipment N/R - Organic	- / 37.238	- / 0.043	- / 16.006	- / 10.191	- / -	- / 10.191	- / 11.629	- / 6.458	- / 4.258	- / 3.226	- / -	- / 89.049	
Subtotal: Non-Recurring	- / 37.238	- / 0.043	- / 16.006	- / 10.191	- / -	- / 10.191	- / 11.629	- / 6.458	- / 4.258	- / 3.226	- / -	- / 89.049	
Subtotal: Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)	1,903 / 336.598	- / 0.043	- / 31.606	- / 20.460	- / -	- / 20.460	197 / 77.600	283 / 90.188	343 / 107.828	172 / 65.021	534 / 187.900	3,432 / 917.244	
Subtotal: Procurement, All Modification Items	- / 336.598	- / 0.043	- / 31.606	- / 20.460	- / -	- / 20.460	- / 77.600	- / 90.188	- / 107.828	- / 65.021	- / 187.900	- / 917.244	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.980	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.980	
3.2) Data	- / 1.980	- / 0.006	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.986	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 17.228	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.228	
3.5) ILS	- / 9.161	- / -	- / 0.450	- / 0.458	- / -	- / 0.458	- / 0.466	- / 0.475	- / 0.483	- / 0.492	- / 0.500	- / 12.485	
3.6) Other Support	- / 28.536	- / 0.591	- / 0.346	- / 0.352	- / -	- / 0.352	- / 0.359	- / 0.365	- / 0.372	- / 0.378	- / 10.700	- / 41.999	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 47.885	- / 0.597	- / 0.796	- / 0.810	- / -	- / 0.810	- / 0.825	- / 0.840	- / 0.855	- / 0.870	- / 11.200	- / 64.678	
Installation													

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	384.483	0.640	32.402	21.270	-	21.270	78.425	91.028	108.683	65.891	199.100	981.922

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - A-Kits Archive					Installation Quantity: 421		
Method of Implementation (Organic): Organic - MIDS JTRS Terminals (CMN-4)					Installation Quantity: 799		
Method of Implementation (Organic): Organic - MIDS JTRS Upgrades (CMN-4)					Installation Quantity: 196		
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		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	325.832	19.340	8.434	12.187	-	12.187	4.555	10.726	6.369	3.573	-	391.016
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	325.832	19.340	8.434	12.187	-	12.187	4.555	10.726	6.369	3.573	-	391.016
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	325.832	19.340	8.434	12.187	-	12.187	4.555	10.726	6.369	3.573	-	391.016

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 JHMCS system on C+ aircraft. ECP 1153 adds the following capabilities to C+ aircraft: MIDS LVT; Color Displays; JHMCS; ALE-47; TAMMAC; and 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 583R2/R7 (A++/C+ Obsolescence Mgmt); ECP 583R6; ECP 1153(C+)

Future Modifications:

ECP 583-TBD (B+)

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 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)													
A Kits													
Recurring													
1.1.1) A-Kits Archive - Organic ⁽¹⁴⁾	216 / 19.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	216 / 19.105
Subtotal: Recurring	- / 19.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.105
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 17.383	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.383
Subtotal: Non-Recurring	- / 17.383	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.383
B Kits													
Recurring													
2.1.1) ECP583R2/R7 (A++/C+ Obsolescence Mgmt) - Organic ⁽¹⁵⁾	- / 2.517	- / 2.433	- / 3.025	- / 3.149	- / -	- / 3.149	- / 2.062	- / 5.174	- / 2.032	- / 2.726	- / -	- / -	- / 23.118
2.1.2) ECP583R6 (C+ NACES) - Organic	2 / 0.559	10 / 2.280	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 2.839
2.1.3) ECP 1153 (C+) - NonOrganic ⁽¹⁶⁾	2 / 1.798	5 / 9.955	- / -	- / -	- / -	- / -	4 / -	11 / -	8 / -	- / -	- / -	- / -	30 / 11.753
2.1.4) B-Kits Archive - Organic ⁽¹⁷⁾	1,266 / 225.846	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,266 / 225.846
2.1.5) Prior Year Installation Cost - Organic ⁽¹⁸⁾	236 / 44.157	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	236 / 44.157
Subtotal: Recurring	- / 274.877	- / 14.668	- / 3.025	- / 3.149	- / -	- / 3.149	- / 2.062	- / 5.174	- / 2.032	- / 2.726	- / -	- / -	- / 307.713
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽¹⁹⁾	- / 0.573	- / 3.009	- / 2.900	- / 5.238	- / -	- / 5.238	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.720
Subtotal: Non-Recurring	- / 0.573	- / 3.009	- / 2.900	- / 5.238	- / -	- / 5.238	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.720
Subtotal: USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)	1,722 / 311.938	15 / 17.677	- / 5.925	- / 8.387	- / -	- / 8.387	4 / 2.062	11 / 5.174	8 / 2.032	- / 2.726	- / -	- / -	1,760 / 355.921
Subtotal: Procurement, All Modification Items	- / 311.938	- / 17.677	- / 5.925	- / 8.387	- / -	- / 8.387	- / 2.062	- / 5.174	- / 2.032	- / 2.726	- / -	- / -	- / 355.921
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 1.812	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.812
3.3) Training Equipment	- / 0.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.747
3.4) Support Equipment	- / 4.282	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.282
3.5) ILS	- / 1.330	- / 1.003	- / 1.021	- / 1.039	- / -	- / 1.039	- / 0.506	- / 0.515	- / 0.525	- / 0.534	- / -	- / -	- / 6.473
3.6) Other Support	- / 5.723	- / 0.660	- / 0.672	- / 0.684	- / -	- / 0.684	- / 0.296	- / 0.302	- / 0.307	- / 0.313	- / -	- / -	- / 8.957

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 13.894	- / 1.663	- / 1.693	- / 1.723	- / -	- / 1.723	- / 0.802	- / 0.817	- / 0.832	- / 0.847	- / -	- / 22.271	
Installation													
Modification Item 1 of 1: USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)	- / 0.000	- / -	- / 0.816	- / 2.077	- / -	- / 2.077	- / 1.691	- / 4.735	- / 3.505	- / -	- / -	- / 12.824	
Subtotal: Installation	- / 0.000	- / -	- / 0.816	- / 2.077	- / -	- / 2.077	- / 1.691	- / 4.735	- / 3.505	- / -	- / -	- / 12.824	
Total													
Total Cost (Procurement + Support + Installation)	325.832	19.340	8.434	12.187	-	12.187	4.555	10.726	6.369	3.573	-	391.016	
</													

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: ECP-1153 (C+)													Manufacturer Location: >N/A																		
Administrative Leadtime (in Months): 4													Production Leadtime (in Months): 20																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Jan 2013																													
Delivery Dates		Oct 2014																													
Installation Information																															
Method of Implementation: Navy Field Modification Team : Installation Name: ECP 1153 (C+)																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.816	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.816																		
FY 2013		- / -	- / -	- / -	5 / 2.077	- / -	5 / 2.077	- / -	- / -	- / -	- / -	- / -	5 / 2.077																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.691	- / -	- / -	- / -	- / -	4 / 1.691																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 4.735	- / -	- / -	- / -	11 / 4.735																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 3.505	- / -	- / -	8 / 3.505																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	2 / 0.816	5 / 2.077	- / -	5 / 2.077	4 / 1.691	11 / 4.735	8 / 3.505	- / -	- / -	30 / 12.824																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	2	2	-	-	5	6	-	-	4	4	-	-	-	-	-	-	-	30
Out	-	-	-	-	-	-	-	-	2	5	-	-	-	2	2	-	-	5	6	-	-	4	4	-	-	-	-	-	-	-	30
Method of Implementation (Organic): Not Installed - A-Kits Archive																				Installation Quantity: 216											
Method of Implementation (Organic): Organic - ECP583R6 (C+ NACES)																				Installation Quantity: 12											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - B-Kits Archive		Installation Quantity: 1266
Method of Implementation (Organic): Not Installed - Prior Year Installation Cost		Installation Quantity: 236
Footnotes: (14) All installs were in PY. See PY Install cost element for cost. (15) 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 LoTB costs for analogous systems. These costs were projected to support future obsolescence issues in the affected components. (16) Installation of 2 validation/verification kits procured in prior years delayed from FY13 to FY14 due to longer than anticipated NRE and resultant delay in delivery of kits. Quantity of 4 C+ kits installed in FY16, 11 C+ kits installed in FY17, and 8 C+ kits installed in FY18, with no procurement cost are a result of HQMC decision to harvest parts from A++ aircraft that are retiring in those years. (17) All installs were in PY. See PY Install cost element for cost. (18) 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. (19) Install Equipment N/R increases in FY15 for flight test of the C+ configuration.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	267.488	17.847	12.705	-	-	-	7.871	3.180	-	-	1.625	310.716
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	267.488	17.847	12.705	-	-	-	7.871	3.180	-	-	1.625	310.716
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	267.488	17.847	12.705	-	-	-	7.871	3.180	-	-	1.625	310.716
<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>	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 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. Install and support funding for kits procured in FY12 was cut per Issue #21070 "Delay F/A-18E/F Flight Plan Investments". Installs were delayed from FY15 to FY16.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽²⁰⁾	366 / 33.614	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	366 / 33.614	
1.1.2) E/F A-Kit - NonOrganic ⁽²¹⁾	177 / 16.383	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	177 / 16.383	
1.1.3) A-Kits Archive - Organic	1,046 / 4.936	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,046 / 4.936	
Subtotal: Recurring	- / 54.933	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 54.933	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 18.577	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.577	
Subtotal: Non-Recurring	- / 18.577	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.577	
B Kits													
Recurring													
2.1.1) C/D B-Kit - Organic	2,592 / 74.385	25 / 5.718	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,617 / 80.103	
2.1.2) 25X SCS - Organic	- / 1.904	- / 1.754	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.658	
2.1.4) B-Kits Archive - Organic	804 / 23.894	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	804 / 23.894	
Subtotal: Recurring	- / 100.183	- / 7.472	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 107.655	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 1.000	- / 0.281	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.281	
Subtotal: Non-Recurring	- / 1.000	- / 0.281	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.281	
Subtotal: Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)	4,985 / 174.693	25 / 7.753	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5,010 / 182.446	
Subtotal: Procurement, All Modification Items	- / 174.693	- / 7.753	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 182.446	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.794	- / -	- / 0.813	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.607	
3.2) Data	- / 6.110	- / 0.037	- / 0.035	- / -	- / -	- / -	- / 0.022	- / -	- / -	- / -	- / -	- / 6.204	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	174 / 19.492	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	174 / 19.492	
3.5) ILS	- / 21.995	- / 1.445	- / 1.501	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.941	
3.6) Other Support ⁽²²⁾	- / 9.600	- / 2.552	- / 2.598	- / -	- / -	- / -	- / 1.411	- / 1.402	- / -	- / -	- / -	- / 17.563	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 57.991	- / 4.034	- / 4.947	- / -	- / -	- / -	- / 1.433	- / 1.402	- / -	- / -	- / -	- / 69.807
Installation												
Modification Item 1 of 1: Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)	- / 34.804	- / 6.060	- / 7.758	- / -	- / -	- / -	- / 6.438	- / 1.778	- / -	- / -	- / 1.625	- / 58.463
Subtotal: Installation	- / 34.804	- / 6.060	- / 7.758	- / -	- / -	- / -	- / 6.438	- / 1.778	- / -	- / -	- / 1.625	- / 58.463
Total												
Total Cost (Procurement + Support + Installation)	267.488	17.847	12.705	-	-	-	7.871	3.180	-	-	1.625	310.716

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: C/D A-kits							Manufacturer Location: >N/A					
Administrative Leadtime (<i>in Months</i>): 15							Production Leadtime (<i>in Months</i>): 16					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Manufacturer Name: E/F A-kits							Manufacturer Location: >N/A					
Administrative Leadtime (<i>in Months</i>): 14							Production Leadtime (<i>in Months</i>): 14					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Installation Information												
Method of Implementation: Navy Field Modification Team : Installation Name: C/D A-Kit												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	236 / 23.463	34 / 5.577	41 / 6.037	- / -	- / -	- / -	40 / 3.250	- / -	- / -	- / -	15 / 1.625	366 / 39.952
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	236 / 23.463	34 / 5.577	41 / 6.037	- / -	- / -	- / -	40 / 3.250	- / -	- / -	- / -	15 / 1.625	366 / 39.952

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Navy Field Modification Team : Installation Name: C/D A-Kit

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	236	-	17	17	-	-	-	20	21	-	-	-	-	20	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	366
Out	226	-	17	17	-	-	-	20	31	-	-	-	-	20	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	366

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	102 / 11.341	4 / 0.483	14 / 1.721	- / -	- / -	- / -	33 / 3.188	24 / 1.778	- / -	- / -	- / -	177 / 18.511
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	102 / 11.341	4 / 0.483	14 / 1.721	- / -	- / -	- / -	33 / 3.188	24 / 1.778	- / -	- / -	- / -	177 / 18.511

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	102	-	4	-	-	-	-	10	4	-	-	-	-	8	8	8	9	6	6	6	6	-	-	-	-	-	-	-	-	-	177
Out	92	-	4	-	8	2	-	10	4	-	-	-	-	8	8	8	9	6	6	6	6	-	-	-	-	-	-	-	-	-	177

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

Installation Quantity: 1046

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

Installation Quantity: 2617

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - B-Kits Archive		Installation Quantity: 804
Method of Implementation (Organic): Not Installed - Support Equipment		Installation Quantity: 174
Footnotes: ⁽²⁰⁾ 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. ⁽²¹⁾ 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. ⁽²²⁾ 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	792.614	38.399	43.187	6.180	-	6.180	8.677	0.435	2.725	0.680	-	892.897
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	792.614	38.399	43.187	6.180	-	6.180	8.677	0.435	2.725	0.680	-	892.897
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	792.614	38.399	43.187	6.180	-	6.180	8.677	0.435	2.725	0.680	-	892.897

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 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; IR Marker; ATFLIR 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 Infra-Red capability was removed from the system in December 2003.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 (23)	1,423 / 10.672	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,423 / 10.672	
Subtotal: Recurring	- / 10.672	- / 0.875	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.547	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 6.030	- / 0.366	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.396	
Subtotal: Non-Recurring	- / 6.030	- / 0.366	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.396	
B Kits													
Recurring													
2.1.1) IR Marker - OCO - Organic	38 / 9.136	189 / 31.068	104 / 23.603	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	331 / 63.807	
2.1.2) ATFLIR EOSU ECP10 - RTOC - NonOrganic	35 / 2.334	70 / 3.308	110 / 4.935	111 / 4.701	- / -	111 / 4.701	90 / 3.569	- / -	- / -	- / -	- / -	416 / 18.847	
2.1.3) ECP-0035 Daylight Ops - Organic	- / 3.524	- / -	125 / 11.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	125 / 15.224	
2.1.4) 29C SCS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.700	- / -	- / -	- / -	- / -	- / 1.700	
2.1.5) H14 SCS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.800	- / -	- / -	- / -	- / -	- / 1.800	
2.1.6) H16 SCS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.798	- / 0.425	- / -	- / 2.223	
2.1.7) B-Kits Archive - Organic	998 / 424.939	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	998 / 424.939	
2.1.8) Prior Year Installs - Organic	1,916 / 5.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,916 / 5.396	
Subtotal: Recurring	- / 445.329	- / 34.376	- / 40.238	- / 4.701	- / -	- / 4.701	- / 7.069	- / -	- / 1.798	- / 0.425	- / -	- / 533.936	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 76.058	- / -	- / 0.627	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 76.685	
Subtotal: Non-Recurring	- / 76.058	- / -	- / 0.627	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 76.685	
Subtotal: Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)	4,410 / 538.089	313 / 35.617	339 / 40.865	111 / 4.701	- / -	111 / 4.701	90 / 7.069	- / -	- / 1.798	- / 0.425	- / -	5,263 / 628.564	
Subtotal: Procurement, All Modification Items	- / 538.089	- / 35.617	- / 40.865	- / 4.701	- / -	- / 4.701	- / 7.069	- / -	- / 1.798	- / 0.425	- / -	- / 628.564	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 94.710	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 94.710	
3.2) Data	- / 8.462	- / -	- / -	- / -	- / -	- / -	- / 0.394	- / -	- / 0.294	- / -	- / -	- / 9.150	
3.3) Training Equipment	- / 4.315	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.315	
3.4) Support Equipment	- / 65.905	- / 0.172	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 66.077	

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 70.409	- / 1.521	- / 0.802	- / 0.308	- / -	- / 0.308	- / 0.304	- / -	- / -	- / -	- / -	- / 73.344	
3.6) Other Support	- / 7.169	- / 0.809	- / 0.831	- / 0.204	- / -	- / 0.204	- / 0.200	- / -	- / 0.190	- / 0.180	- / -	- / 9.583	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 250.970	- / 2.502	- / 1.633	- / 0.512	- / -	- / 0.512	- / 0.898	- / -	- / 0.484	- / 0.180	- / -	- / 257.179	
Installation													
Modification Item 1 of 1: Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)	- / 3.555	- / 0.280	- / 0.689	- / 0.967	- / -	- / 0.967	- / 0.710	- / 0.435	- / 0.443	- / 0.075	- / -	- / 7.154	
Subtotal: Installation	- / 3.555	- / 0.280	- / 0.689	- / 0.967	- / -	- / 0.967	- / 0.710	- / 0.435	- / 0.443	- / 0.075	- / -	- / 7.154	
Total													
Total Cost (Procurement + Support + Installation)	792.614	38.399	43.187	6.180	-	6.180	8.677	0.435	2.725	0.680	-	892.897	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: ATFLIR EOSU ECP 10							Manufacturer Location: >N/A					
Administrative Leadtime (<i>in Months</i>): 3							Production Leadtime (<i>in Months</i>): 5					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Dec 2012	Dec 2013	Dec 2014	Dec 2015								
Delivery Dates	May 2013	May 2014	May 2015	May 2016								
Manufacturer Name: ARDL A6 Kits							Manufacturer Location: >N/A					
Administrative Leadtime (<i>in Months</i>): 15							Production Leadtime (<i>in Months</i>): 10					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Dec 2013											
Delivery Dates	Oct 2014											
Manufacturer Name: ARDL (A3, A4, A8, A9)							Manufacturer Location: >N/A					
Administrative Leadtime (<i>in Months</i>): 6							Production Leadtime (<i>in Months</i>): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Installation Information												
Method of Implementation: Navy Field Modification Team : Installation Name: ARDL A6 Kits												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	54 / 0.205	- / -	54 / 0.205	- / -	- / -	- / -	- / -	- / -	54 / 0.205
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	54 / 0.205	- / -	54 / 0.205	- / -	- / -	- / -	- / -	- / -	54 / 0.205

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Exhibit P-3a, Individual Modification: PB 2015 Navy																								Date: March 2014							
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)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Navy Field Modification Team : Installation Name: ARDL A6 Kits																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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		20 / 0.070		100 / 0.350		120 / 0.420		- / 0.000		120 / 0.420		120 / 0.428		120 / 0.435		120 / 0.443		26 / 0.075		- / -		1,423 / 5.011							
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		797 / 2.790		20 / 0.070		100 / 0.350		120 / 0.420		- / -		120 / 0.420		120 / 0.428		120 / 0.435		120 / 0.443		26 / 0.075		- / -		1,423 / 5.011							
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	10	10	25	25	25	25	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	13	13	-	-	-	1,423
Out	797	-	-	10	10	25	25	25	25	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	13	13	-	-	-	1,423

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.765	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 0.765
FY 2013	- / -	70 / 0.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 0.210
FY 2014	- / -	- / -	110 / 0.339	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	110 / 0.339
FY 2015	- / -	- / -	- / -	111 / 0.342	- / -	111 / 0.342	- / -	- / -	- / -	- / -	- / -	111 / 0.342
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	90 / 0.282	- / -	- / -	- / -	- / -	90 / 0.282
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	35 / 0.765	70 / 0.210	110 / 0.339	111 / 0.342	- / -	111 / 0.342	90 / 0.282	- / -	- / -	- / -	- / -	416 / 1.938

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	35	-	-	35	35	-	-	55	55	-	-	56	55	-	-	45	45	-	-	-	-	-	-	-	-	-	-	-	-	-	416
Out	35	-	-	35	25	-	-	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	Installation Quantity: 125
Method of Implementation (Organic): Not Installed - B-Kits Archive	Installation Quantity: 998
Method of Implementation (Organic): Not Installed - Prior Year Installs	Installation Quantity: 1916

Footnotes:

⁽²³⁾ 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	133.703	6.425	20.017	23.077	-	23.077	41.246	39.699	36.388	43.030	288.913	632.498
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	133.703	6.425	20.017	23.077	-	23.077	41.246	39.699	36.388	43.030	288.913	632.498
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	133.703	6.425	20.017	23.077	-	23.077	41.246	39.699	36.388	43.030	288.913	632.498
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 ⁽²⁴⁾	- / 133.222	- / 6.062	- / 19.647	- / 22.611	- / -	- / 22.611	- / 40.675	- / 39.110	- / 35.789	- / 42.419	- / 278.831	- / 618.366	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 0.273	- / 0.151	- / 0.154	- / 0.247	- / -	- / 0.247	- / 0.348	- / 0.362	- / 0.368	- / 0.375	- / 4.712	- / 6.990	
3.6) Other Support	- / 0.208	- / 0.212	- / 0.216	- / 0.219	- / -	- / 0.219	- / 0.223	- / 0.227	- / 0.231	- / 0.236	- / 5.370	- / 7.142	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 133.703	- / 6.425	- / 20.017	- / 23.077	- / -	- / 23.077	- / 41.246	- / 39.699	- / 36.388	- / 43.030	- / 288.913	- / 632.498	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	133.703	6.425	20.017	23.077	-	23.077	41.246	39.699	36.388	43.030	288.913	632.498	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Support Only Installation					Installation Quantity: 0		
Footnotes: ⁽²⁴⁾ OSIP increases each year in FY14, 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. FY14 increase is due to Electro-Optical/Infra-Red (EO/IR) system upgrades to F/A-18E/F and EA-18G aircrew trainers. 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.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ <i>in Millions</i>)	310.007	103.314	108.158	120.139	-	120.139	176.946	181.593	151.024	185.460	213.774	1,550.415
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	310.007	103.314	108.158	120.139	-	120.139	176.946	181.593	151.024	185.460	213.774	1,550.415
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	310.007	103.314	108.158	120.139	-	120.139	176.946	181.593	151.024	185.460	213.774	1,550.415
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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-6193R1/R2 / (LEX) Lwr Surface/Structure Cracks Redesign Y286 / Y294
ECP-XX12 / FT50 Teardown Bulkhead Cracking
ECP-6326 / FT50 Fuel Barrier Web at Y510
ECP-6213R2 / TEF Redesign
ECP-6282 / FT50/FT77 Post-CRI Inner Wing Retrofit
ECP-6240R1 / FT50 18K MLG Sidebrace Fitting Failure
ECP-6416/C1 / Environmental Control System (ECS) Anti-Ice Duct Bracket Redesign
ECP-XX45 / FT50 Structural Related Issues
ECP-XX47 / FT78 Flight Control Failures
ECP-6343 / External Fuel Tank Air Pressure (ETPR) Regulator
ECP-XX48 / Fuel Tank Wiring Retrofit Improvements
ECP-XX51 / F/A-18E/F ECS Subsystem Upgrade Issues
ECP-XX52 / F/A-18E/F Subsystem Retrofit Upgrade Issues

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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-XX53 / F/A-18E/F Structure Stress Corrosion Cracking Issues ECP-6372 Y233 Bulkhead Rudder / Break Pulley Bracket Attachment Redesign ECP-XXX55: F/A-18 OBOGS Catalyst Integration MODLINE ECP-6227C2 Inlet Nacelle Bleed Plate Crack ECP-6411 F/A-18 E/F FT50 Inner-Wing Upper Splice Fitting @ Aft Fastener Skin on Retrofit ECP-6386 F/A-18 E/F Inner Wing TEF Shroud Hinges Bushing Migration ECP-6392: F/A-18E/F and EA-18G Alternate Angle-of-Attack Transmitter ECP-6397: F/A-18E/F Wheel Speed Transducer (WST) Drive Coupling Redesign ECP-6417: Cabin Diverter Valve Redesign ECP-6422: Correction of Arresting Hook Control ECP-6428: Removal of the Vertical Tail Drain Common to Fuel Vent Tank ECP-6429: Main Landing Gear (MLG) Wheel Heat Shield Design Improvements ECP-XX60: NACES Retrofit Upgrades ECP-6430 Enhancement of the Aft Pivot Support Fitting ECP-6235R1: MLG Inboard Door Forward Hinge Retrofit ECP-6284R1 TEF Shroud Link Failures ECP-6431 / In-Flight Refueling (IFR) Probe Timer Bellcrank Fitting ECP-XX33 / Hydraulics Components Improvement ECP-1137NI Redesign of Fire Extinguisher Temp. Compensating Pressure Switch (TCPS) ECP MB9376 Lanyard Retention Collar ECP 6387 SUU-80 Pylon 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 SSOM Future Modifications: ECP-6088 AFT Fuselage Outbd Former Fwd Flange @ Y645, Repair former by adding a doubler to bring it back to original specification 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-6145 Main Landing Gear (MLG) Outboard Tire Door Clevis, Redesign clevis to eliminate cracking imparted during gear cycling 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 Surge Control Valve 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.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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-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-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-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 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		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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-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. 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 Longerons @ Y233 Retrofit Redesign, Retrofit efforts for the Z90 Longerons @ Y233 associated with FT50. ECP-6405 F/A-18 E/F FT50 Z111 Longerons @ Y326 Retrofit Redesign, Retrofit efforts for the Z111 Longerons @ 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-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-XX50: F/A-18E/F Fuel Related Upgrade Issues 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 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 2015 Navy		Date: March 2014
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)

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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-6193R1/R2 (LEX) Lwr Surface/Structure Cracks Redesign Y286 \ Y294 - Organic	219 / 27.472	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	219 / 27.472	
1.1.2) ECP-XX12 FT50 Teardown Bulkhead Cracking - Organic	- / -	- / -	- / -	72 / 0.911	- / -	72 / 0.911	72 / 0.927	72 / 0.944	72 / 0.961	37 / 0.494	- / -	325 / 4.237	
1.1.3) ECP-6326 FT50 Fuel Barrier Web at Y510 - Organic	438 / 3.458	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	438 / 3.458	
1.1.4) ECP-6213R2 / TEF Redesign - Organic	2 / 1.710	48 / 38.198	48 / 37.339	18 / 14.254	- / -	18 / 14.254	60 / 48.369	67 / 54.984	31 / 25.898	91 / 77.393	117 / 101.296	482 / 399.441	
1.1.5) ECP-6282 / FT50/FT77 Post-CRI Inner Wing Retrofit - Organic	208 / 23.222	42 / 8.111	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	250 / 31.333	
1.1.6) ECP-6240R1 / FT50 18K MLG Sidebrace Fitting Failure - Organic	216 / 9.620	- / -	- / -	- / -	- / -	- / -	48 / 2.415	30 / 1.537	- / -	- / -	- / -	294 / 13.572	
1.1.7) ECP-6416 Environment Control Sys Anti-Ice Duct Bracket - Organic	72 / 0.685	72 / 0.640	72 / 0.852	72 / 0.867	- / -	72 / 0.867	72 / 0.883	72 / 0.899	17 / 0.216	- / -	- / -	449 / 5.042	
1.1.8) ECP-XX45 / FT50 Structural Related Issues - Organic	- / -	- / -	- / -	- / -	- / -	- / -	72 / 5.937	72 / 6.044	72 / 6.153	72 / 6.263	37 / 3.277	325 / 27.674	
1.1.9) ECP-XX47 / FT78 Flight Control Failures - Organic	- / -	- / -	- / -	37 / 2.061	- / -	37 / 2.061	72 / 4.083	72 / 4.156	72 / 4.231	72 / 4.307	- / -	325 / 18.838	
1.1.10) ECP-6343 / External Fuel Tank Air Pressure (ETPR) Regulator - Organic	345 / 0.577	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	345 / 0.577	
1.1.11) ECP-XX48 / Fuel Tank Wiring Retrofit Improvements - Organic	- / -	- / -	- / -	72 / 0.413	- / -	72 / 0.413	72 / 0.420	72 / 0.428	72 / 0.436	72 / 0.444	109 / 0.654	469 / 2.795	
1.1.12) ECP-XX51 / F/A-18E/F ECS Subsystem Upgrade Issues - Organic	- / -	- / -	- / -	72 / 0.467	- / -	72 / 0.467	72 / 0.475	72 / 0.484	72 / 0.493	72 / 0.502	140 / 0.980	500 / 3.401	
1.1.13) ECP-XX52 / F/A-18E/F Subsystem Retrofit Upgrade Issues - Organic	- / -	- / -	- / -	- / -	- / -	- / -	72 / 0.594	72 / 0.605	72 / 0.616	72 / 0.627	212 / 1.908	500 / 4.350	
1.1.14) ECP-XX53 / F/A-18E/F Structure Stress Corrosion Cracking Issues - Organic	- / -	- / -	- / -	52 / 1.183	- / -	52 / 1.183	72 / 1.667	72 / 1.697	72 / 1.728	72 / 1.759	160 / 3.680	500 / 11.714	
1.1.15) ECP-6372 Y233 Bulkhead Rudder /Break Pulley Bracket Attachment Redesign - Organic	351 / 0.118	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	351 / 0.118	
1.1.16) ECP-XXX55: F/A-18 OBOGS Catalyst Integration Modline - Organic	- / -	- / -	- / -	72 / 0.078	- / -	72 / 0.078	72 / 0.079	72 / 0.081	72 / 0.082	72 / 0.084	140 / 0.158	500 / 0.562	
1.1.17) ECP-6227C2 Inlet Nacelle Bleed Plate Crack - Organic	72 / 0.664	- / -	72 / 0.658	72 / 0.670	- / -	72 / 0.670	72 / 0.682	13 / 0.125	- / -	- / -	- / -	301 / 2.799	

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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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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-6411 FT50 Inner-Wing Upper Splice Fitting @ Aft Fastner Skin - Organic	83 / 0.036	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	83 / 0.036
1.1.19) ECP-6386 F/A-18 E/F Inner Wing TEF Shroud Hinges Bushing Migration - Organic	- / -	- / -	- / -	60 / 0.175	- / -	60 / 0.175	60 / 0.178	60 / 0.181	60 / 0.185	40 / 0.125	60 / 0.191	340 / 1.035
1.1.20) ECP-6392: /A-18E/F and EA-18G Alternate Angle-of-Attack Transmitter - Organic	- / -	595 / 0.452	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	595 / 0.452
1.1.21) ECP-6397: F/A-18E/F Wheel Speed Transducer Drive Coupling - Organic	388 / 0.410	511 / 0.286	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	899 / 0.696
1.1.22) ECP-6417: Cabin Diverter Valve Redesign - Organic	244 / 1.841	24 / 0.180	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	268 / 2.021
1.1.23) ECP-6422: : Correction of Arresting Hook Control - Organic	- / -	439 / 0.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	439 / 0.350
1.1.24) ECP-6429: Main Landing Gear (MLG) Wheel Heat Shield Design Improvements - Organic	- / -	444 / 0.290	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	444 / 0.290
1.1.25) ECP-XX60: NACES Retrofit Upgrades - Organic	- / -	- / -	100 / 3.081	100 / 3.136	- / -	100 / 3.136	100 / 3.193	125 / 4.063	- / -	- / -	100 / 3.359	525 / 16.832
1.1.26) ECP-6430 Enhancement of the Aft Pivot Support Fitting - Organic	- / -	216 / 2.923	36 / 0.630	72 / 0.727	- / -	72 / 0.727	72 / 0.740	72 / 0.753	72 / 0.767	72 / 0.781	43 / 0.475	655 / 7.796
1.1.27) ECP-6235R1: MLG Inboard Door FW Hinge - Organic	- / -	- / -	- / -	72 / 0.534	- / -	72 / 0.534	72 / 0.544	14 / 0.108	- / -	- / -	72 / 0.586	230 / 1.772
1.1.28) ECP-6284R1 TEF Shroud Link Failures - Organic	- / -	587 / 1.450	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	587 / 1.450
1.1.29) ECP-6431 / In-Flight Refueling (IFR) Probe Timer Bellcrank Fitting - Organic	- / -	568 / 0.667	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	568 / 0.667
1.1.30) ECP-XX33 / Hydraulics Components Improvement - Organic	- / -	- / -	- / -	72 / 0.064	- / -	72 / 0.064	72 / 0.065	72 / 0.066	11 / 0.010	- / -	- / -	227 / 0.205
1.1.31) 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
1.1.32) ECP MB9376 Lanyard Retention Collar - Organic	- / -	892 / 0.087	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	892 / 0.087
1.1.33) ECP 6387 SUU-80 Pylon - Organic	19 / 0.223	18 / 0.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	37 / 0.499
1.1.34) ECP-6234C1 Horizontal Stabilator/Fuselage Rubbing - Organic	- / -	- / -	70 / 1.400	72 / 1.466	- / -	72 / 1.466	72 / 1.492	144 / 0.928	- / -	- / -	- / -	358 / 5.286
1.1.35) ECP-6394R1: F/A-18E/F Horizontal Stab Gang Channel Corrosion Provisions - Organic	- / -	- / -	72 / 0.360	72 / 0.366	- / -	72 / 0.366	72 / 0.373	72 / 0.380	72 / 0.387	70 / 0.383	- / -	430 / 2.249
1.1.36) ECP-6438: : Fuel Panel Dump Switch cap change - Organic	- / -	- / -	635 / 0.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	635 / 0.004
1.1.37) ECP-6440 MLG Wheel Rotor Drive KeyWays Retention - Organic	- / -	- / -	136 / 0.092	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	136 / 0.092
1.1.38) ECP-590 CRU-123 SSOM - Organic	88 / 0.805	- / -	- / -	531 / 4.862	- / -	531 / 4.862	- / -	- / -	- / -	- / -	- / -	619 / 5.667

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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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
1.1.39) Archived ECPs - Organic	11,832 / 65.622	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11,832 / 65.622
Subtotal: Recurring	- / 136.463	- / 53.910	- / 44.449	- / 32.268	- / -	- / 32.268	- / 73.150	- / 78.463	- / 42.163	- / 93.162	- / 116.564	- / 670.592
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / 38.160	- / 9.908	- / 10.569	- / 10.759	- / -	- / 10.759	- / 10.953	- / 11.150	- / 11.351	- / 11.555	- / -	- / 114.405
Subtotal: Non-Recurring	- / 38.160	- / 9.908	- / 10.569	- / 10.759	- / -	- / 10.759	- / 10.953	- / 11.150	- / 11.351	- / 11.555	- / -	- / 114.405
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
Subtotal: Recurring	- / 0.093	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.093
Subtotal: E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)	15,513 / 174.716	4,456 / 63.818	1,251 / 55.018	1,600 / 43.027	- / -	1,600 / 43.027	1,358 / 84.103	1,317 / 89.613	839 / 53.514	814 / 104.717	1,190 / 116.564	28,338 / 785.090
Subtotal: Procurement, All Modification Items	- / 174.716	- / 63.818	- / 55.018	- / 43.027	- / -	- / 43.027	- / 84.103	- / 89.613	- / 53.514	- / 104.717	- / 116.564	- / 785.090
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 2.374	- / 0.079	- / 0.142	- / 1.122	- / -	- / 1.122	- / 1.142	- / 1.163	- / 1.140	- / 0.979	- / -	- / 8.141
3.3) Training Equipment	- / -	- / 0.001	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.001
3.4) Support Equipment	- / 9.797	- / 1.507	- / 0.430	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.734
3.5) ILS ⁽²⁵⁾	- / 55.592	- / 7.706	- / 12.710	- / 23.938	- / -	- / 23.938	- / 24.369	- / 24.808	- / 25.254	- / 25.709	- / 45.897	- / 245.983
3.6) Other Support	- / 15.034	- / 16.281	- / 21.715	- / 22.106	- / -	- / 22.106	- / 22.504	- / 22.909	- / 23.321	- / 23.741	- / 15.299	- / 182.910
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.8) Installation Cost ⁽²⁶⁾	3,778 / 52.494	895 / 13.922	891 / 18.143	1,751 / 29.946	- / -	1,751 / 29.946	2,374 / 44.828	2,251 / 43.100	2,002 / 47.795	922 / 30.314	670 / 36.014	15,534 / 316.556
Subtotal: Support	- / 135.291	- / 39.496	- / 53.140	- / 77.112	- / -	- / 77.112	- / 92.843	- / 91.980	- / 97.510	- / 80.743	- / 97.210	- / 765.325
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	310.007	103.314	108.158	120.139	-	120.139	176.946	181.593	151.024	185.460	213.774	1,550.415

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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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - ECP-6193R1/R2 (LEX) Lwr Surface/Structure Cracks Redesign Y286 \ Y294					Installation Quantity: 219		
Method of Implementation (Organic): Not Installed - ECP-XX12 FT50 Teardown Bulkhead Cracking					Installation Quantity: 325		
Method of Implementation (Organic): Not Installed - ECP-6326 FT50 Fuel Barrier Web at Y510					Installation Quantity: 438		
Method of Implementation (Organic): Not Installed - ECP-6213R2 / TEF Redesign					Installation Quantity: 482		
Method of Implementation (Organic): Not Installed - ECP-6282 / FT50/FT77 Post-CRI Inner Wing Retrofit					Installation Quantity: 250		
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: 449		
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-6343 / External Fuel Tank Air Pressure (ETPR) Regulator					Installation Quantity: 345		
Method of Implementation (Organic): Not Installed - ECP-XX48 / Fuel Tank Wiring Retrofit Improvements					Installation Quantity: 469		

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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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
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
Method of Implementation (Organic): Not Installed - ECP-6372 Y233 Bulkhead Rudder /Break Pulley Bracket Attachment Redesign		Installation Quantity: 351
Method of Implementation (Organic): Not Installed - ECP-XXX55: 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): Not Installed - ECP-6411 FT50 Inner-Wing Upper Splice Fitting @ Aft Fastner Skin		Installation Quantity: 83
Method of Implementation (Organic): Not Installed - ECP-6386 F/A-18 E/F Inner Wing TEF Shroud Hinges Bushing Migration		Installation Quantity: 340
Method of Implementation (Organic): Not Installed - ECP-6392: /A-18E/F and EA-18G Alternate Angle-of-Attack Transmitter		Installation Quantity: 595
Method of Implementation (Organic): Organic - ECP-6397: F/A-18E/F Wheel Speed Transducer Drive Coupling		Installation Quantity: 899
Method of Implementation (Organic): Organic - ECP-6417: Cabin Diverter Valve Redesign		Installation Quantity: 268
Method of Implementation (Organic): Not Installed - ECP-6422: : Correction of Arresting Hook Control		Installation Quantity: 439
Method of Implementation (Organic): Not Installed - ECP-6429: Main Landing Gear (MLG) Wheel Heat Shield Design Improvements		Installation Quantity: 444
Method of Implementation (Organic): Organic - ECP-XX60: NACES Retrofit Upgrades		Installation Quantity: 525

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
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-6235R1: MLG Inboard Door FW Hinge		Installation Quantity: 230
Method of Implementation (Organic): Organic - ECP-6284R1 TEF Shroud Link Failures		Installation Quantity: 587
Method of Implementation (Organic): Not Installed - ECP-6431 / In-Flight Refueling (IFR) Probe Timer Bellcrank Fitting		Installation Quantity: 568
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): Organic - ECP MB9376 Lanyard Retention Collar		Installation Quantity: 892
Method of Implementation (Organic): Organic - ECP 6387 SUU-80 Pylon		Installation Quantity: 37
Method of Implementation (Organic): Not Installed - ECP-6234C1 Horizontal Stabilator/Fuselage Rubbing		Installation Quantity: 358
Method of Implementation (Organic): Not Installed - ECP-6394R1: F/A-18E/F Horizontal Stab Gang Channel Corrosion Provisions		Installation Quantity: 430
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 - Archived ECPs		Installation Quantity: 11832

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
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
Method of Implementation (Organic): Not Installed - Installation Cost		Installation Quantity: 15534
Footnotes: ⁽²⁵⁾ ILS increases in FY14 and FY15 are due to significantly increased number of ECPs being managed (procured and installed). ⁽²⁶⁾ Installation costs vary by FY due to different ECPs being installed.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	126.281	32.365	17.942	22.793	-	22.793	69.677	96.057	147.317	99.649	1,182.780	1,794.861
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	126.281	32.365	17.942	22.793	-	22.793	69.677	96.057	147.317	99.649	1,182.780	1,794.861
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	126.281	32.365	17.942	22.793	-	22.793	69.677	96.057	147.317	99.649	1,182.780	1,794.861
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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-18A+/C/D and F/A-18 E/F aircraft and into United States Navy and Marine Corps F/A-18A+/C/D and F/A-18E/F aircraft. Installation of the Cockpit Video Recording System (CVRS) is a mandatory pre-requisite for the SSR upgrade for Lot 12-16 F/A-18C/D. This OSIP includes the retrofit completion of the CVRS in unmodified Lot 12-16 F/A-18C/D aircraft. Installation of the SSR for Lots 23-24 F/A-18E/F will be performed concurrent with the upgrade retrofit installation of the Type 2 Advanced Mission Computer. This OSIP also includes a requirement to retrofit the Deployable Flight Incident Recorder System (DIFRS) to address the issue of the current COSPAS Search and Rescue Satellite Aided Tracking satellite becoming obsolete. Upgrades also include a retrofit installation of the Type 2 Advanced Mission Computer into Lots 23-24 as a replacement for the AYK-14 computer. 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. 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 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 or Digital Memory Device 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 Civilian Instrument Landing System (ILS) to provide onboard precision approach capability in the event of adverse weather conditions. Navigation Warfare (NAVWAR) significantly reduces the likelihood of GPS denial (and loss of timing needed for link synchronization) preventing failure of mission critical capabilities such as use of GPS guided weapons, Naval Integrated Fire Control Counter Air (NIFC-CA), Enhanced Terrain Awareness System (eTAWs), and Tactical Targeting Network Technology (TTNT). GPS denial causes navigation drift and degraded EA-18G geolocation accuracy, and results in the F/A-18 being dropped from networks.

Current Active Modifications

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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); Civilian ILS kits; Type 2 Advanced Mission Computer (AMC); NAVWAR; SMUG for ECP-6042; ECP 1146-12 (SSR RMM); Cockpit Video Recording System (CVRS); SCS; MP/UPC Software; 25X; 27C; H12 Future Modifications DFIRS; Display Improvements (HW); Advanced Capability Mission Computer; Fibre Channel Network Switch (FCNS-24); Single Point data loader (SW); Combined Interrogator Transponder; 29C; 31C; H14; H16; ALQ-214 JMPS UPC 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 second 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 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽²⁷⁾		37 / 0.609	4 / 0.085	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 0.694
1.1.2) ECP-6212R1 F/A-18F SSR - NonOrganic ⁽²⁸⁾		37 / 0.672	20 / 0.429	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	57 / 1.101
1.1.3) DFIRS - Organic		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	66 / 4.115	72 / 4.513	- / -	138 / 8.628
1.1.4) ECP 1146-12 (SSR Hi8) AFC-629 Lot 4-11 A-D - Organic		- / -	188 / 0.773	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	188 / 0.773
1.1.5) ECP 1146-12 (SSR Hi8) AFC-630 Lot 12-21 C - NonOrganic		- / -	94 / 0.940	87 / 0.870	- / -	- / -	- / -	98 / 0.980	- / -	- / -	- / -	- / -	279 / 2.790
1.1.6) ECP 1146-12 (SSR Hi8) AFC-631 Lot 12-21 D - NonOrganic		- / -	64 / 0.768	51 / 0.612	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	115 / 1.380
1.1.7) ECP 1146-12 (SSR Hi8) AFC-632 Lot 4-9 A/B - Organic		- / -	12 / 0.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.046
1.1.8) ECP 1146-12 (SSR Hi8) AFC-633 Lot 18-22 E/F - NonOrganic		- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.308	- / -	- / -	- / -	- / -	32 / 0.308
1.1.9) Display Improvements (HW) - Organic		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	250 / 5.000	- / -	- / -	250 / 5.000
1.1.10) Civilian ILS A-kits - NonOrganic		- / -	57 / 4.379	12 / 1.344	12 / 1.344	- / -	12 / 1.344	- / -	9 / 1.008	92 / 10.304	56 / 6.272	- / -	238 / 24.651
1.1.11) Type 2 Advanced Mission Computer (AMC) kits - NonOrganic ⁽²⁹⁾		- / -	1 / -	9 / -	20 / -	- / -	20 / -	20 / -	11 / -	- / -	- / -	- / -	61 / -
1.1.12) NAVWAR Kits - NonOrganic		- / -	- / -	- / -	23 / 2.261	- / -	23 / 2.261	31 / 3.084	30 / 2.990	39 / 3.895	39 / 3.902	29 / 2.902	191 / 19.034
1.1.13) A-Kits Archive - Organic		160 / 8.863	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	160 / 8.863
Subtotal: Recurring		- / 10.144	- / 7.420	- / 2.826	- / 3.605	- / -	- / 3.605	- / 4.372	- / 3.998	- / 23.314	- / 14.687	- / 2.902	- / 73.268
Non-Recurring													
1.2.1) Installation Kits N/R - Organic		- / 10.681	- / 4.698	- / -	- / -	- / -	- / -	- / 20.131	- / -	- / 1.603	- / 2.561	- / -	- / 39.674
Subtotal: Non-Recurring		- / 10.681	- / 4.698	- / -	- / -	- / -	- / -	- / 20.131	- / -	- / 1.603	- / 2.561	- / -	- / 39.674
B Kits													
Recurring													
2.1.1) SMUG for ECP-6042 - Organic		23 / 0.709	18 / 0.578	18 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	59 / 1.887
2.1.2) ECP 1146-12 (SSR RMM) - Organic		- / -	582 / 3.410	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	582 / 3.410
2.1.3) F/A-18C/D Cockpit Video Recording System (CVRS) - NonOrganic		17 / 0.443	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.443

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
2.1.4) Display Improvements (HW) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	250 / 11.009	- / -	- / -	250 / 11.009
2.1.5) Advanced Capability Mission Computer - Organic	- / -	- / -	- / -	- / -	- / -	- / -	34 / 17.000	86 / 42.861	70 / 35.000	86 / 43.000	- / -	276 / 137.861
2.1.6) Fibre Channel Network Switch (FCNS-24) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	30 / 2.400	46 / 3.746	46 / 3.814	- / -	154 / 13.231	276 / 23.191
2.1.7) Single Point data loader (SW) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.150	- / 19.150
2.1.8) Civilian ILS mission kits - Organic	- / -	- / -	12 / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.480
2.1.9) Combined Interrogator Transponder B-kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 14.690	- / -	- / -	- / -	150 / 14.690
2.1.10) NAVWAR - Organic	- / -	- / -	- / -	23 / 1.456	- / -	23 / 1.456	31 / 1.986	30 / 1.925	39 / 2.508	39 / 2.513	26 / 1.869	188 / 12.257
2.1.11) SCS - Organic ⁽³⁰⁾	- / 3.701	- / 0.072	- / 0.611	- / 1.396	- / -	- / 1.396	- / 1.948	- / 5.199	- / 4.386	- / 4.465	- / 1,056.414	- / 1,078.192
2.1.12) MP/UPC Software - Organic ⁽³¹⁾	- / 9.579	- / 1.665	- / 2.200	- / 2.354	- / -	- / 2.354	- / 5.550	- / 6.433	- / 13.810	- / 9.878	- / 74.566	- / 126.035
2.1.13) 25X - Organic	- / 5.585	- / 2.885	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.470
2.1.14) 27C (SCS) - Organic ⁽³²⁾	- / 0.188	- / 0.143	- / 2.109	- / 2.230	- / -	- / 2.230	- / 2.000	- / -	- / -	- / -	- / -	- / 6.670
2.1.15) 29C (SCS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.027	- / 5.100	- / -	- / -	- / -	- / 6.127
2.1.16) 31C (SCS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.800	- / 3.800
2.1.17) H12 (SCS) - Organic	- / 0.600	- / -	- / 1.805	- / 1.697	- / -	- / 1.697	- / -	- / -	- / -	- / -	- / -	- / 4.102
2.1.18) H14 (SCS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.812	- / 4.312	- / -	- / -	- / -	- / 5.124
2.1.19) H16 (SCS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.893	- / 8.051	- / -	- / 17.944
2.1.20) ALQ-214 JMPS UPC - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.012	- / 2.550	- / 2.601	- / 2.653	- / -	- / 9.816
2.1.21) B-Kits Archive - Organic	324 / 46.871	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	324 / 46.871
2.1.22) Prior Installation Cost - Organic	158 / 1.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	158 / 1.396
Subtotal: Recurring	- / 69.072	- / 8.753	- / 7.805	- / 9.133	- / -	- / 9.133	- / 34.735	- / 86.816	- / 83.021	- / 70.560	- / 1,169.030	- / 1,538.925
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic	- / -	- / -	- / 2.011	- / 4.991	- / -	- / 4.991	- / 5.783	- / -	- / 30.551	- / -	- / -	- / 43.336
Subtotal: Non-Recurring	- / 0.000	- / -	- / 2.011	- / 4.991	- / -	- / 4.991	- / 5.783	- / -	- / 30.551	- / -	- / -	- / 43.336
Subtotal: Core Avionics Improvements / Upgrades (OSIP 023-04)	756 / 89.897	1,040 / 20.871	189 / 12.642	78 / 17.729	- / -	78 / 17.729	276 / 65.021	362 / 90.814	852 / 138.489	292 / 87.808	209 / 1,171.932	4,054 / 1,695.203
Subtotal: Procurement, All Modification Items	- / 89.897	- / 20.871	- / 12.642	- / 17.729	- / -	- / 17.729	- / 65.021	- / 90.814	- / 138.489	- / 87.808	- / 1,171.932	- / 1,695.203
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 1.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.080
3.2) Data	- / 6.440	- / 1.347	- / 0.055	- / -	- / -	- / -	- / -	- / 0.025	- / 0.104	- / 0.458	- / -	- / 8.429

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: ECP-6212R1 F/A-18E SSR				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 12				Production Leadtime (<i>in Months</i>): 24			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Oct 2013						
Delivery Dates	Oct 2015						
Manufacturer Name: ECP-6212R1 F/A-18F SSR				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 12				Production Leadtime (<i>in Months</i>): 24			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Oct 2013						
Delivery Dates	Oct 2015						
Manufacturer Name: Civilian ILS				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 4			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jan 2013	Jan 2014	Jan 2015		Jan 2017	Jan 2018	Jan 2019
Delivery Dates	May 2013	May 2014	May 2015		May 2017	May 2018	May 2019
Manufacturer Name: NAVWAR				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 18			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019
Delivery Dates			Oct 2016	Oct 2017	Oct 2018	Oct 2019	Oct 2020
Manufacturer Name: ECP 1146-12 (SSR Hi8) AFC-630 Lot 12-21 C				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 7				Production Leadtime (<i>in Months</i>): 18			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Mar 2013	Apr 2014		Apr 2016			
Delivery Dates	Sep 2014	Oct 2015		Oct 2016			
Manufacturer Name: ECP 1146-12 (SSR Hi8) AFC-631 Lot 12-21 D				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 7				Production Leadtime (<i>in Months</i>): 18			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Mar 2013	Apr 2014					

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Delivery Dates	Sep 2014	Oct 2015										
Manufacturer Name: ECP 1146-12 (SSR Hi8) AFC-633 Lot 18-22 E/F				Manufacturer Location: >N/A								
Administrative Leadtime (in Months): 8				Production Leadtime (in Months): 6								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates				May 2016								
Delivery Dates				Nov 2016								
Manufacturer Name: F/A-18C/D Cockpit Video Recording System (CVRS)				Manufacturer Location: >N/A								
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 6								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Installation Information												
Method of Implementation: Navy Field Modification Team : Installation Name: ECP-6212R1 F/A-18E SSR												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.128	18 / 0.212	- / 0.000	18 / 0.212	5 / 0.060	3 / 0.036	- / -	- / -	- / -	37 / 0.436
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.048	- / -	- / -	- / -	4 / 0.048
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	11 / 0.128	18 / 0.212	- / -	18 / 0.212	5 / 0.060	7 / 0.084	- / -	- / -	- / -	41 / 0.484

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Navy Field Modification Team : Installation Name: ECP-6212R1 F/A-18E SSR

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	5	5	4	4	-	5	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	41
Out	-	-	-	-	-	3	3	3	2	5	5	4	4	-	5	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	41

Method of Implementation: Navy Field Modification Team : Installation Name: ECP-6212R1 F/A-18F SSR

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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	6 / 0.070	2 / 0.023	- / 0.000	2 / 0.023	16 / 0.185	12 / 0.141	- / -	- / -	- / -	37 / 0.431
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.236	- / -	- / -	- / -	20 / 0.236
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 0.012	6 / 0.070	2 / 0.023	- / -	2 / 0.023	16 / 0.185	32 / 0.377	- / -	- / -	- / -	57 / 0.667

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	-	2	-	-	4	4	4	4	6	6	10	10	-	-	-	-	-	-	-	-	-	57
Out	-	-	-	-	1	-	-	3	3	-	2	-	-	4	4	4	4	6	6	10	10	-	-	-	-	-	-	-	-	-	57

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Navy Field Modification Team : Installation Name: ECP 1146-12 (SSR Hi8) AFC-630 Lot 12-21 C

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	2 / 0.002	92 / 0.076	- / -	92 / 0.076	- / -	- / -	- / -	- / -	- / -	94 / 0.078
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	87 / 0.071	- / -	- / -	- / -	- / -	87 / 0.071
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	98 / 0.081	- / -	- / -	- / -	98 / 0.081
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	2 / 0.002	92 / 0.076	- / -	92 / 0.076	87 / 0.071	98 / 0.081	- / -	- / -	- / -	279 / 0.230

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	31	31	30	-	22	22	22	21	25	25	24	24	-	-	-	-	-	-	-	-	-	279
Out	-	-	-	-	-	-	-	-	2	31	31	30	-	22	22	22	21	25	25	24	24	-	-	-	-	-	-	-	-	-	279

Method of Implementation: Navy Field Modification Team : Installation Name: ECP 1146-12 (SSR Hi8) AFC-631 Lot 12-21 D

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	2 / 0.002	62 / 0.052	- / -	62 / 0.052	- / -	- / -	- / -	- / -	- / -	64 / 0.054
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	51 / 0.042	- / -	- / -	- / -	- / -	51 / 0.042
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Navy Field Modification Team : Installation Name: ECP 1146-12 (SSR Hi8) AFC-631 Lot 12-21 D

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	2 / 0.002	62 / 0.052	- / -	62 / 0.052	51 / 0.042	- / -	- / -	- / -	- / -	115 / 0.096

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	20	21	21	-	13	13	13	12	-	-	-	-	-	-	-	-	-	-	-	-	-	115
Out	-	-	-	-	-	-	-	-	2	20	21	21	-	13	13	13	12	-	-	-	-	-	-	-	-	-	-	-	-	-	115

Method of Implementation: Navy Field Modification Team : Installation Name: ECP 1146-12 (SSR Hi8) AFC-633 Lot 18-22 E/F

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.027	- / -	- / -	- / -	32 / 0.027
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.027	- / -	- / -	- / -	32 / 0.027

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Navy Field Modification Team : Installation Name: ECP 1146-12 (SSR Hi8) AFC-633 Lot 18-22 E/F

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	8	-	-	-	-	-	-	-	-	-	32
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	8	8	-	-	-	-	-	-	-	-	-	32

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	18 / 0.648	39 / 1.443	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	57 / 2.091
FY 2014	- / -	- / -	12 / 0.426	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.426
FY 2015	- / -	- / -	- / -	12 / 0.448	- / -	12 / 0.448	- / -	- / -	- / -	- / -	- / -	12 / 0.448
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.342	- / -	- / -	- / -	9 / 0.342
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	92 / 3.557	- / -	- / -	92 / 3.557
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	56 / 2.204	- / -	56 / 2.204
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	18 / 0.648	51 / 1.869	12 / 0.448	- / -	12 / 0.448	- / -	9 / 0.342	92 / 3.557	56 / 2.204	- / -	238 / 9.068

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	20	19	6	6	-	-	6	6	-	-	-	-	-	-	5	4	-	-	46	46	-	-	28	28	-	238
Out	-	-	-	9	9	20	19	6	6	-	-	6	6	-	-	-	-	-	-	5	4	-	-	46	46	-	-	28	28	-	238

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	1 / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.150
FY 2014	- / -	- / -	9 / 1.133	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.133
FY 2015	- / -	- / -	- / -	20 / 1.700	- / -	20 / 1.700	- / -	- / -	- / -	- / -	- / -	20 / 1.700
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.700	- / -	- / -	- / -	- / -	20 / 1.700
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.190	- / -	- / -	- / -	11 / 1.190
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 0.150	9 / 1.133	20 / 1.700	- / -	20 / 1.700	20 / 1.700	11 / 1.190	- / -	- / -	- / -	61 / 5.873

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	5	4	5	5	5	5	5	5	5	5	-	-	6	5	-	-	-	-	-	-	-	-	-	61
Out	-	-	-	1	-	-	-	5	4	5	5	5	5	5	5	5	5	-	-	6	5	-	-	-	-	-	-	-	-	-	61

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 0.472	- / -	- / -	- / -	23 / 0.472
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 0.644	- / -	- / -	31 / 0.644
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.624	- / -	30 / 0.624
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 1.287	39 / 1.287
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 1.287	39 / 1.287

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.957	29 / 0.957
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 0.472	31 / 0.644	30 / 0.624	107 / 3.531	191 / 5.271

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	8	8	8	7	7	8	8	107	191
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	6	6	7	8	8	8	7	7	8	8	107	191

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.209	- / -	6 / 0.027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.236
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	11 / 0.209	- / -	6 / 0.027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.236

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014												
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)																																			
Modification Item MDAP/MAIS Code:																																			
Installation Information																																			
Method of Implementation: Navy Field Modification Team : Installation Name: F/A-18C/D Cockpit Video Recording System (CVRS)																																			
Installation Schedule																																			
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
Out	11	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
Method of Implementation (Organic): Organic - DFIRS																							Installation Quantity: 138												
Method of Implementation (Organic): Organic - ECP 1146-12 (SSR Hi8) AFC-629 Lot 4-11 A-D																							Installation Quantity: 188												
Method of Implementation (Organic): Organic - ECP 1146-12 (SSR Hi8) AFC-632 Lot 4-9 A/B																							Installation Quantity: 12												
Method of Implementation (Organic): Organic - Display Improvements (HW)																							Installation Quantity: 250												
Method of Implementation (Organic): Not Installed - A-Kits Archive																							Installation Quantity: 160												
Method of Implementation (Organic): Organic - SMUG for ECP-6042																							Installation Quantity: 59												
Method of Implementation (Organic): Organic - ECP 1146-12 (SSR RMM)																							Installation Quantity: 582												
Method of Implementation (Organic): Organic - Display Improvements (HW)																							Installation Quantity: 250												
Method of Implementation (Organic): Organic - Advanced Capability Mission Computer																							Installation Quantity: 276												
Method of Implementation (Organic): Organic - Fibre Channel Network Switch (FCNS-24)																							Installation Quantity: 276												
Method of Implementation (Organic): Organic - Civilian ILS mission kits																							Installation Quantity: 12												

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - Combined Interrogator Transponder B-kits		Installation Quantity: 150
Method of Implementation (Organic): Organic - NAVWAR		Installation Quantity: 188
Method of Implementation (Organic): Not Installed - B-Kits Archive		Installation Quantity: 324
Method of Implementation (Organic): Not Installed - Prior Installation Cost		Installation Quantity: 158
Footnotes: ⁽²⁷⁾ Installs were realigned to match concurrent install schedule with Type 2 AMC (ECP-6267R1). Both install schedules have been delayed due to schedule delays in conducting VAL/VER installs resulting from design complexity in ECP-6267R1. ⁽²⁸⁾ Installs were realigned to match concurrent install schedule with Type 2 AMC (ECP-6267R1). Both install schedules have been delayed due to schedule delays in conducting VAL/VER installs resulting from design complexity in ECP-6267R1. ⁽²⁹⁾ 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. ⁽³⁰⁾ Funding increases in FY14 and FY15 due to ramp up of SCS effort. ⁽³¹⁾ Funding increases in FY16 due to ramp up of MP/UPC software efforts. ⁽³²⁾ Funding increases in FY14 and FY15 due to ramp up of 27C efforts.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	159.447	1.596	2.382	1.167	-	1.167	1.197	-	-	-	1.087	166.876
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	159.447	1.596	2.382	1.167	-	1.167	1.197	-	-	-	1.087	166.876
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	159.447	1.596	2.382	1.167	-	1.167	1.197	-	-	-	1.087	166.876

(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>	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 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 Forward Looking IR pods on land-based F/A-18A-Cs to increase their effectiveness in Overseas Contingency Operations.

Current Active Modifications

F/A-18A Kits, 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 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 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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-18A A-kits OCO - NonOrganic ⁽³³⁾	5 / 0.027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.027	
1.1.2) F/A-18C A-kits - NonOrganic ⁽³⁴⁾	54 / 1.868	- / -	66 / 1.994	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	120 / 3.862	
1.1.3) F/A-18D A-kits val/ver (Lots 12 and 13) - NonOrganic	- / -	2 / 0.295	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.295	
1.1.4) F/A-18D A-kits (Lots 12 and 13) - NonOrganic	- / -	23 / 0.718	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.937	38 / 1.655	
1.1.5) A-kits Archive - Organic ⁽³⁵⁾	82 / 3.164	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	82 / 3.164	
Subtotal: Recurring	- / 5.059	- / 1.013	- / 1.994	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.937	- / 9.003	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 0.910	- / 0.315	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.225	
Subtotal: Non-Recurring	- / 0.910	- / 0.315	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 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 / 132.901	25 / 1.328	66 / 1.994	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.937	325 / 137.160	
Subtotal: Procurement, All Modification Items	- / 132.901	- / 1.328	- / 1.994	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.937	- / 137.160	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 10.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.025	
3.2) Data	- / 2.675	- / 0.178	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.853	
3.3) Training Equipment	- / 0.289	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.289	
3.4) Support Equipment	- / 0.444	- / 0.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.484	
3.5) ILS	- / 2.446	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.446	
3.6) Other Support ⁽³⁶⁾	- / 10.283	- / -	- / 0.388	- / 0.727	- / -	- / 0.727	- / 0.727	- / -	- / -	- / -	- / -	- / 12.125	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	- / 26.162	- / 0.218	- / 0.388	- / 0.727	- / -	- / 0.727	- / 0.727	- / -	- / -	- / -	- / -	- / 28.222	
Installation													
Modification Item 1 of 1: Litening AT Targeting Pod (OSIP 024-04)	- / 0.384	- / 0.050	- / -	- / 0.440	- / -	- / 0.440	- / 0.470	- / -	- / -	- / -	- / 0.150	- / 1.494	
<i>Subtotal: Installation</i>	- / 0.384	- / 0.050	- / -	- / 0.440	- / -	- / 0.440	- / 0.470	- / -	- / -	- / -	- / 0.150	- / 1.494	
Total													
Total Cost (Procurement + Support + Installation)	159.447	1.596	2.382	1.167	-	1.167	1.197	-	-	-	1.087	166.876	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: F/A-18A A-kits OCO							Manufacturer Location: >N/A					
Administrative Leadtime (<i>in Months</i>): 9							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Manufacturer Name: F/A-18D A-kits val/ver							Manufacturer Location: >N/A					
Administrative Leadtime (<i>in Months</i>): 12							Production Leadtime (<i>in Months</i>): 14					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Sep 2013											
Delivery Dates	Nov 2014											
Manufacturer Name: F/A-18D A-kits							Manufacturer Location: >N/A					
Administrative Leadtime (<i>in Months</i>): 12							Production Leadtime (<i>in Months</i>): 25					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Sep 2013											
Delivery Dates	Oct 2015											
Manufacturer Name: F/A-18C A-kits							Manufacturer Location: >N/A					
Administrative Leadtime (<i>in Months</i>): 7							Production Leadtime (<i>in Months</i>): 11					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Apr 2014										
Delivery Dates		Mar 2015										
Installation Information												
Method of Implementation: Navy Field Modification Team : Installation Name: F/A-18A A-kits OCO												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	0 / 0.032	5 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.032
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.032	5 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.032

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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: Navy Field Modification Team : Installation Name: F/A-18C A-kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.352	5 / 0.050	25 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 0.402
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	42 / 0.420	- / -	42 / 0.420	24 / 0.240	- / -	- / -	- / -	- / -	66 / 0.660
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	24 / 0.352	5 / 0.050	25 / -	42 / 0.420	- / -	42 / 0.420	24 / 0.240	- / -	- / -	- / -	- / -	120 / 1.062

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	5	8	8	9	-	-	-	21	21	18	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120
Out	24	-	-	-	5	8	8	9	-	-	-	21	21	18	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	2 / 0.020	- / -	2 / 0.020	- / -	- / -	- / -	- / -	- / -	2 / 0.020
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 0.020	- / -	2 / 0.020	- / -	- / -	- / -	- / -	- / -	2 / 0.020

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	23 / 0.230	- / -	- / -	- / -	- / -	23 / 0.230
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.150	15 / 0.150
Total	- / -	- / -	- / -	- / -	- / -	- / -	23 / 0.230	- / -	- / -	- / -	15 / 0.150	38 / 0.380

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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: 82

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:

⁽³³⁾ Quantity of five F/A-18A kits procured with FY12 OCO are installed in FY13 with FY12 OCO.

⁽³⁴⁾ A) Quantity of five F/A-18C kits procured with FY12 baseline are installed in FY13 with FY13 baseline. Quantity of 25 kits procured with FY12 OCO are installed in FY14 with FY12 OCO. B) Quantity of 66 kits procured in FY14 are installed from March 2015 - January 2016 (11 months, but 5 quarters).

⁽³⁵⁾ All installs were in PY. See PY Install cost element for cost.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

⁽³⁶⁾ Support in FY15 and FY16 is required for ongoing installs within this OSIP.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	465.877	152.562	158.420	81.608	-	81.608	262.273	231.354	223.940	110.891	24.190	1,711.115
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	465.877	152.562	158.420	81.608	-	81.608	262.273	231.354	223.940	110.891	24.190	1,711.115
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	465.877	152.562	158.420	81.608	-	81.608	262.273	231.354	223.940	110.891	24.190	1,711.115
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The F/A-18E/F and EA-18G program has developed and integrated the AN/APG-79 Active Electronically Scanned Array (AESA) Radio Detection and Ranging (RADAR) system for installation in Lot 26 and subsequent Block II, Super Hornet and Growler aircraft. The integration of the AN/APG-79 AESA RADAR system into the F/A-18E /F and EA18G 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 for reliability and operational safety improvements into the AN/APG-65 and AN/APG-73 Radars. The APG-79 is a significantly more reliable radar system.

Current Active Modifications

Radome (ECP-6038); Retrofit RADARS (APG-79B); Modules Kits (WRAs) (ECP-6279); GPP3 Step 2 (ECP 6381); Static Discharge software; 5th and 6th Channel (ECP 6344); Waveform Generator (ECP 6346); APG-65/73 obsolescence; APG-79 obsolescence; 25X (SCS)

Future Modifications:

AESA Short Range Improvement S/W Upgrade; Radar Software Corrections

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Forward fit of the AN/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 forward fit with the AN/APG-79 AESA RADAR. This OSIP includes the retrofit of the AN/APG-79 AESA system into 133 Lot 26-29 F/A-18E/F aircraft previously outfitted with AN/APG-73. Obsolescence is included for the AN/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 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	53 / 17.469	30 / 8.996	22 / 6.447	26 / 7.756	- / -	26 / 7.756	- / -	- / -	- / -	- / -	- / -	- / -	131 / 40.668
Subtotal: Recurring	- / 17.469	- / 8.996	- / 6.447	- / 7.756	- / -	- / 7.756	- / -	- / -	- / -	- / -	- / -	- / -	- / 40.668
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 ⁽³⁷⁾	79 / 220.077	17 / 46.422	11 / 34.000	- / -	- / -	- / -	24 / 78.000	- / -	- / -	- / -	- / -	- / -	131 / 378.499
2.1.2) Modules Kits (WRAs) (ECP-6279) - Organic ⁽³⁸⁾	51 / 23.646	53 / 22.362	63 / 31.136	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	167 / 77.144
2.1.3) GPP3 Step 2 (ECP 6381) - Organic	- / -	- / -	- / -	12 / 4.800	- / -	12 / 4.800	156 / 62.400	170 / 68.000	170 / 68.000	52 / 20.800	- / -	- / -	560 / 224.000
2.1.4) Static Discharge software mod - Organic	- / 9.220	- / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.020
2.1.5) 5th and 6th Channel (ECP 6344) - NonOrganic	- / -	- / -	- / -	12 / 4.440	- / -	12 / 4.440	156 / 57.720	170 / 62.900	170 / 62.900	52 / 19.240	- / -	- / -	560 / 207.200
2.1.6) Waveform Generator HW (ECP 6346) - Organic	- / -	- / -	- / -	12 / 1.560	- / -	12 / 1.560	95 / 12.350	170 / 22.100	93 / 12.090	- / -	- / -	- / -	370 / 48.100
2.1.7) Waveform Generator FW (ECP 6346) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.576	48 / 0.576	48 / 0.576	46 / 0.552	- / -	- / -	190 / 2.280
2.1.8) APG-65/73 obsolescence - Organic ⁽³⁹⁾	- / 1.826	- / 2.337	- / 5.207	- / 4.886	- / -	- / 4.886	- / 3.788	- / 7.056	- / 10.000	- / 10.000	- / 5.090	- / -	- / 50.190
2.1.9) APG-79 obsolescence - Organic ⁽⁴⁰⁾	- / 1.621	- / 2.067	- / 5.295	- / 4.492	- / -	- / 4.492	- / 3.947	- / 7.103	- / 10.000	- / 10.000	- / 5.090	- / -	- / 49.615
2.1.10) 25X (SCS) - Organic	- / 1.214	- / 0.609	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.823
2.1.11) AESA Short Range Improvement S/W Upgrade - Organic ⁽⁴¹⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.000	- / 10.000	- / 10.000	- / -	- / -	- / -	- / 30.000
2.1.12) Radar Software Corrections - Organic ⁽⁴²⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.000	- / 5.000	- / 5.000	- / -	- / -	- / 15.000
2.1.13) B-Kits Archive - Organic	115 / 34.638	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	115 / 34.638
Subtotal: Recurring	- / 292.242	- / 74.597	- / 75.638	- / 20.178	- / -	- / 20.178	- / 228.781	- / 182.735	- / 178.566	- / 65.592	- / 10.180	- / -	- / 1,128.509
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽⁴³⁾	- / 77.814	- / 55.236	- / 67.594	- / 44.740	- / -	- / 44.740	- / 23.314	- / 24.018	- / 19.672	- / 19.644	- / -	- / -	- / 332.032
Subtotal: Non-Recurring	- / 77.814	- / 55.236	- / 67.594	- / 44.740	- / -	- / 44.740	- / 23.314	- / 24.018	- / 19.672	- / 19.644	- / -	- / -	- / 332.032
Subtotal: AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)	298 / 389.820	100 / 138.829	96 / 149.679	62 / 72.674	- / -	62 / 72.674	479 / 252.095	558 / 206.753	481 / 198.238	150 / 85.236	- / 10.180	- / -	2,224 / 1,503.504

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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													- / 1,503.504
Support (All Modification Items)													
3.1) Engineering Change Orders													- / 34.268
3.2) Data													- / 1.489
3.3) Training Equipment													- / 0.000
3.4) Support Equipment													- / 2.658
3.5) ILS													- / 3.490
3.6) Other Support													- / 34.152
3.7) Interim Contractor Support													- / 0.000
Subtotal: Support													- / 76.057
Installation													
Modification Item 1 of 1: AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)													- / 0.000
Subtotal: Installation													- / 0.000
Total													
Total Cost (Procurement + Support + Installation)													465.877

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: ECP 6038							Manufacturer Location: >N/A					
Administrative Leadtime <i>(in Months)</i> : 9							Production Leadtime <i>(in Months)</i> : 24					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Jun 2013	Jun 2014	Jun 2015									
Delivery Dates	Jun 2015	Jun 2016	Jun 2017									
Manufacturer Name: ECP 6344							Manufacturer Location: >N/A					
Administrative Leadtime <i>(in Months)</i> : 7							Production Leadtime <i>(in Months)</i> : 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019					
Delivery Dates			Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019					
Installation Information												
Method of Implementation: Navy Field Modification Team : Installation Name: Radome (ECP-6038)												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	- / -	2 / 0.650	33 / 0.825	18 / 0.525	- / 0.000	18 / 0.525	- / -	- / -	- / -	- / -	- / -	53 / 2.000
FY 2013	- / -	- / -	- / -	14 / 0.350	- / -	14 / 0.350	16 / 0.400	- / -	- / -	- / -	- / -	30 / 0.750
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.375	7 / 0.175	- / -	- / -	- / -	22 / 0.550
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.475	8 / 0.200	- / -	- / -	26 / 0.675
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	2 / 0.650	33 / 0.825	32 / 0.875	- / -	32 / 0.875	31 / 0.775	25 / 0.650	8 / 0.200	- / -	- / -	131 / 3.975

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	8	7	7	8	8	7	8	7	-	9	9	4	4	-	-	-	-	-	-	-	131
Out	-	-	-	2	-	8	8	8	9	10	8	7	7	8	8	7	8	7	-	9	9	4	4	-	-	-	-	-	-	-	131

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.200	- / -	- / -	- / -	- / -	12 / 1.200
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	156 / 15.600	- / -	- / -	- / -	156 / 15.600
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 17.000	- / -	- / -	170 / 17.000
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 17.000	- / -	170 / 17.000
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 5.200	52 / 5.200
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.200	156 / 15.600	170 / 17.000	170 / 17.000	52 / 5.200	560 / 56.000

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	39	39	42	42	43	43	42	42	43	43	52	560
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	39	39	39	39	42	42	43	43	42	42	43	43	52	560

Method of Implementation (Organic): Organic - Retrofit RADARS (APG-79B)

Installation Quantity: 131

Method of Implementation (Organic): Organic - Modules Kits (WRAs) (ECP-6279)

Installation Quantity: 167

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - GPP3 Step 2 (ECP 6381)		Installation Quantity: 560
Method of Implementation (Organic): Organic - Waveform Generator HW (ECP 6346)		Installation Quantity: 370
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: ⁽³⁷⁾ RADARs are O-level installs and have no related install cost/schedule. Retrofit Radars have a lower unit cost in FY16 due to high quantity being procured. ⁽³⁸⁾ A) ECP 6279 installs are O-level installs and have no related install cost/schedule. B) Higher unit cost in FY14 due to no concurrency with the Multiyear Procurement. ⁽³⁹⁾ 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 LoTB 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. ⁽⁴⁰⁾ 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 LoTB 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. ⁽⁴¹⁾ Software updates do not have quantities associated. ⁽⁴²⁾ Software updates do not have quantities associated. ⁽⁴³⁾ Non-recurring engineering ramps up in FY14 due to GPP3 and 5th/6th channel efforts.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 13 / AN/ASD-12(V) SHARP (OSIP 13-07)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	16.589	0.200	-	-	-	-	-	-	-	-	-	16.789
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	16.589	0.200	-	-	-	-	-	-	-	-	-	16.789
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	16.589	0.200	-	-	-	-	-	-	-	-	-	16.789
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The SHARed Reconnaissance Pod (AN/ASD-12(V) SHARP) system includes: medium and high altitude Electro-Optical and Infrared (EO/IR) sensors with a growth path to Synthetic Aperture Radar (SAR), a data storage system, a SHARP Reconnaissance Management System (SRMS), a data link system, and a pod structure with all necessary electronics and cabling. The SHARP system provides support to precision strike by obtaining imagery for target identification, determining target coordinates and enemy order of battle, bomb impact assessment, and bomb damage assessment. The SHARP system supports Battle Group and Expeditionary operations by providing the following: maritime surveillance, surveillance of specified areas and lines of communication, target monitoring, and indications and warnings of enemy activity. The SHARP system supports combat search and rescue by providing near real time imagery to the rescue forces. It also provides the warfighter on the ground with immediate situational awareness of a broad area surrounding his position, facilitating defensive and offensive tactics against terrorists and insurgents. In addition, SHARP has the capability to support identification and location of road side Improvised Explosive Devices (IEDs). SHARP Imagery products are digital still frame images providing significantly higher resolution than video imagery. In addition latitude, longitude and other pertinent metadata accompanies each image frame. Access to these imagery products will enhance the ability of the warfighter to engage/avoid/defeat nearby enemy forces and would provide a clear tactical advantage in any situation.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Supplemental funding was provided for procurement, nonrecurring, installation costs, and associated ILS to modify 21 AN/ASD-12(V) SHARed Reconnaissance Pods (SHARP) and associated Weapons Replaceable/Replacement Assemblies (WRAs) to allow SHARP mounted on an F/A-18 to immediately data link high resolution Visible and Infrared imagery via the existing ROVER TCDL data link. SHARP currently includes a datalink capability which has already been fielded. Funding in FY13 is for an updated Authority to Operate, based on modifications to the SHARP.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 13 / AN/ASD-12(V) SHARP (OSIP 13-07)					
Models of Systems Affected: F/A-18A+/C/D/E/F				Modification Type: CAPABILITY IMPROVEMENTS				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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/ASD-12(V) SHARP (OSIP 13-07)													
A Kits													
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 0.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.840	
Subtotal: Non-Recurring	- / 0.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.840	
B Kits													
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 8.825	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.825	
Subtotal: Non-Recurring	- / 8.825	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.825	
Subtotal: AN/ASD-12(V) SHARP (OSIP 13-07)	- / 9.665	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.665	
Subtotal: Procurement, All Modification Items	- / 9.665	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.665	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 2.750	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.950	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 0.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.750	
3.6) Other Support	- / 3.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.424	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 6.924	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.124	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	16.589	0.200	-	-	-	-	-	-	-	-	-	16.789	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 13 / AN/ASD-12(V) SHARP (OSIP 13-07)	
Modification Item 1 of 1: AN/ASD-12(V) SHARP (OSIP 13-07)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 14 / EW Unique (OSIP 021-08)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ <i>in Millions</i>)	127.458	3.410	0.574	0.732	-	0.732	0.239	-	-	-	-	132.413
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	127.458	3.410	0.574	0.732	-	0.732	0.239	-	-	-	-	132.413
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	127.458	3.410	0.574	0.732	-	0.732	0.239	-	-	-	-	132.413
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Purchase additional ALR-67(V)3 Radar Warning Receiver (RWR) systems to be used to retrofit F/A-18C/D 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 also performs required safety of flight modifications, address 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.

Current Active Modifications:

ALR-67(V)3; ECP 6389 ALQ-214 V(5); ECP AV081; 25X SCS

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. Initial Operational Capability is planned for second quarter of FY14.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 14 / EW Unique (OSIP 021-08)				
Models of Systems Affected: F/A-18C/D ALR-67(V)3 Retrofit				Modification Type: Capability Improvements				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) OCO ALR 67(V)3 - NonOrganic	100 / 4.123	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 4.123	
1.1.2) ECP 6389 ALQ-214 V(5) A-kits - Organic	- / -	5 / 0.863	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.863	
Subtotal: Recurring	- / 4.123	- / 0.863	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.986	
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-18C/D ALR-67(V)3 Retrofit - Organic	104 / 96.906	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	104 / 96.906	
2.1.2) ALR-67(V)3 S/W integration - Organic	- / 3.591	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.591	
2.1.3) ALR 67(V)3 RWR G4 - Organic	9 / 1.129	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.129	
2.1.4) ALR 67(V)3 OPR/DCR - Organic	9 / 1.007	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.007	
2.1.5) ECP AV081 - Organic	- / -	352 / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	352 / 2.200	
2.1.6) 25X (SCS) - Organic	- / 0.178	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.178	
Subtotal: Recurring	- / 102.811	- / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 105.011	
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)	222 / 120.729	357 / 3.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	579 / 123.792	
Subtotal: Procurement, All Modification Items	- / 120.729	- / 3.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 123.792	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.584	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.584	
3.3) Training Equipment	- / 0.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.276	
3.4) Support Equipment	- / 5.755	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.755	
3.5) ILS	- / 0.114	- / -	- / 0.008	- / 0.008	- / -	- / 0.008	- / 0.007	- / -	- / -	- / -	- / -	- / 0.137	
3.6) Other Support	- / -	- / 0.347	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.347	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 14 / EW Unique (OSIP 021-08)					
Models of Systems Affected: F/A-18C/D ALR-67(V)3 Retrofit				Modification Type: Capability Improvements				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 6.729	- / 0.347	- / 0.008	- / 0.008	- / -	- / 0.008	- / 0.007	- / -	- / -	- / -	- / -	- / 7.099	
Installation													
Modification Item 1 of 1: EW Unique (OSIP 021-08)	- / 0.000	- / -	- / 0.566	- / 0.724	- / -	- / 0.724	- / 0.232	- / -	- / -	- / -	- / -	- / 1.522	
Subtotal: Installation	- / 0.000	- / -	- / 0.566	- / 0.724	- / -	- / 0.724	- / 0.232	- / -	- / -	- / -	- / -	- / 1.522	
Total													
Total Cost (Procurement + Support + Installation)	127.458	3.410	0.574	0.732	-	0.732	0.239	-	-	-	-	132.413	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0525 / F-18 Series										Modification Number / Title: 14 / EW Unique (OSIP 021-08)																			
Modification Item 1 of 1: EW Unique (OSIP 021-08)																																							
Modification Item MDAP/MAIS Code:																																							
Manufacturer Information																																							
Manufacturer Name: ALR-67(V)3															Manufacturer Location: >N/A																								
Administrative Leadtime (in Months): 4															Production Leadtime (in Months): 42																								
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019													
Contract Dates																																							
Delivery Dates																																							
Installation Information																																							
Method of Implementation: Navy Field Modification Team : Installation Name: OCO ALR 67(V)3																																							
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total															
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 / 0.566		48 / 0.724		- / 0.000		48 / 0.724		16 / 0.232		- / -		- / -		- / -		- / -		- / -		100 / 1.522													
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
Total		- / -		- / -		36 / 0.566		48 / 0.724		- / -		48 / 0.724		16 / 0.232		- / -		- / -		- / -		- / -		- / -		100 / 1.522													
Installation Schedule																																							
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	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	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100							
Out	-	-	-	-	-	-	12	12	12	12	12	12	12	12	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100							
Method of Implementation (Organic): Organic - ECP 6389 ALQ-214 V(5) A-kits																														Installation Quantity: 5									
Method of Implementation (Organic): Organic - F/A-18C/D ALR-67(V)3 Retrofit																														Installation Quantity: 104									

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 14 / EW Unique (OSIP 021-08)
<i>Modification Item 1 of 1:</i> EW Unique (OSIP 021-08)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - ALR 67(V)3 RWR G4		Installation Quantity: 9
Method of Implementation (Organic): Organic - ALR 67(V)3 OPR/DCR		Installation Quantity: 9
Method of Implementation (Organic): Organic - ECP AV081		Installation Quantity: 352

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 15 / Network Centric Operations: (OSIP 001-10)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	96.611	33.329	48.028	32.522	-	32.522	38.471	32.270	44.505	88.305	135.893	549.934
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	96.611	33.329	48.028	32.522	-	32.522	38.471	32.270	44.505	88.305	135.893	549.934
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	96.611	33.329	48.028	32.522	-	32.522	38.471	32.270	44.505	88.305	135.893	549.934
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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), Data Transfer Unit (DTU), Digital Memory Unit, Advanced Navigation, Upgraded Solid State Recorder (USSR), Digital Cueing Systems and G4 Processor, and Interoperability modifications due to Multifunctional Information Distribution System Low Volume Terminal and Digital Communication System (DCS) 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 Accurate Navigation (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; 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 30 and above); USSR Operational RMMs

Future Modifications

DTP-N kits; DTU

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Digital Memory Device (DMD), ANAV, and Digital Countermeasure Receiver (DCR) are fully developed and delivered with Lot 30 and above in FY 2008. Distributed Targeting System began Operational Testing in FY 2012 with Initial Operational Capability in FY 2013.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 15 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	128 / 4.996	30 / 1.531	17 / 0.889	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	175 / 7.416	
1.1.2) DTS A1 KITS (LOTS 26-29) - NonOrganic	37 / 1.293	- / -	39 / 1.257	44 / 1.444	- / -	44 / 1.444	52 / 1.737	- / -	- / -	- / -	- / -	172 / 5.731	
1.1.3) DTS A2 - A5 KITS (LOTS 26-29) - Organic	84 / 0.732	- / -	86 / 0.801	2 / 0.019	- / -	2 / 0.019	- / -	- / -	- / -	- / -	- / -	172 / 1.552	
1.1.4) DMD A Kit (LOTS 26-29) - NonOrganic ⁽⁴⁴⁾	35 / 1.710	- / -	20 / 1.678	20 / 1.678	- / -	20 / 1.678	- / -	- / -	- / -	- / -	- / -	75 / 5.066	
1.1.5) DMD Replacement kits - NonOrganic	- / -	- / -	- / -	38 / 0.262	- / -	38 / 0.262	57 / 0.393	- / -	- / -	- / -	- / -	95 / 0.655	
1.1.6) A-Kits Archive - Organic	298 / 0.169	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	298 / 0.169	
Subtotal: Recurring	- / 8.900	- / 1.531	- / 4.625	- / 3.403	- / -	- / 3.403	- / 2.130	- / -	- / -	- / -	- / -	- / 20.589	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽⁴⁵⁾	- / 11.104	- / 7.004	- / 2.443	- / 0.108	- / -	- / 0.108	- / 0.051	- / 0.117	- / -	- / -	- / -	- / 20.827	
Subtotal: Non-Recurring	- / 11.104	- / 7.004	- / 2.443	- / 0.108	- / -	- / 0.108	- / 0.051	- / 0.117	- / -	- / -	- / -	- / 20.827	
B Kits													
Recurring													
2.1.1) ANAV kit with WRA - NonOrganic ⁽⁴⁶⁾	52 / 5.250	30 / 2.752	36 / 3.686	36 / 3.828	- / -	36 / 3.828	12 / 1.768	- / -	- / -	- / -	- / -	166 / 17.284	
2.1.2) DTS B kits (lots 30 and above) - Organic	94 / 29.939	63 / 14.928	69 / 19.377	24 / 6.861	- / -	24 / 6.861	60 / 17.461	59 / 17.479	64 / 19.302	57 / 17.500	64 / 19.649	554 / 162.496	
2.1.3) DTP-N B-kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 33.400	49 / 27.277	109 / 60.677	
2.1.4) USSR Operational RMMs - Organic	107 / 0.686	30 / 0.204	19 / 0.134	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	156 / 1.024	
2.1.5) B-Kits Archive - Organic	660 / 27.364	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	660 / 27.364	
Subtotal: Recurring	- / 63.239	- / 17.884	- / 23.197	- / 10.689	- / -	- / 10.689	- / 19.229	- / 17.479	- / 19.302	- / 50.900	- / 46.926	- / 268.845	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽⁴⁷⁾	- / 0.302	- / 0.358	- / 1.739	- / 1.258	- / -	- / 1.258	- / 0.458	- / 0.387	- / 18.731	- / 33.566	- / 79.902	- / 136.701	
Subtotal: Non-Recurring	- / 0.302	- / 0.358	- / 1.739	- / 1.258	- / -	- / 1.258	- / 0.458	- / 0.387	- / 18.731	- / 33.566	- / 79.902	- / 136.701	
Subtotal: Network Centric Operations: (OSIP 001-10)	1,495 / 83.545	153 / 26.777	286 / 32.004	164 / 15.458	- / -	164 / 15.458	181 / 21.868	59 / 17.983	64 / 38.033	117 / 84.466	113 / 126.828	2,632 / 446.962	
Subtotal: Procurement, All Modification Items	- / 83.545	- / 26.777	- / 32.004	- / 15.458	- / -	- / 15.458	- / 21.868	- / 17.983	- / 38.033	- / 84.466	- / 126.828	- / 446.962	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 2.524	- / -	- / 0.293	- / 0.457	- / -	- / 0.457	- / 0.534	- / -	- / -	- / -	- / -	- / 3.808	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series						Modification Number / Title: 15 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	
3.4) Support Equipment	- / 0.437	- / 2.160	- / 1.735	- / 2.557	- / -	- / 2.557	- / 1.855	- / -	- / 2.676	- / -	- / 3.561	- / 14.981	
3.5) ILS	- / 0.845	- / 3.108	- / 4.150	- / 4.219	- / -	- / 4.219	- / 3.733	- / 3.841	- / 2.151	- / 1.974	- / 1.974	- / 25.995	
3.6) Other Support ⁽⁴⁸⁾	- / 9.141	- / 1.088	- / 5.958	- / 3.939	- / -	- / 3.939	- / 3.928	- / 4.049	- / 1.645	- / 1.865	- / 3.530	- / 35.143	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 12.947	- / 6.356	- / 12.136	- / 11.172	- / -	- / 11.172	- / 10.050	- / 7.890	- / 6.472	- / 3.839	- / 9.065	- / 79.927	
Installation													
<i>Modification Item 1 of 1:</i> Network Centric Operations: (OSIP 001-10)	- / 0.119	- / 0.196	- / 3.888	- / 5.892	- / -	- / 5.892	- / 6.553	- / 6.397	- / -	- / -	- / -	- / 23.045	
<i>Subtotal: Installation</i>	- / 0.119	- / 0.196	- / 3.888	- / 5.892	- / -	- / 5.892	- / 6.553	- / 6.397	- / -	- / -	- / -	- / 23.045	
Total													
Total Cost (Procurement + Support + Installation)	96.611	33.329	48.028	32.522	-	32.522	38.471	32.270	44.505	88.305	135.893	549.934	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 15 / Network Centric Operations: (OSIP 001-10)	
Modification Item 1 of 1: Network Centric Operations: (OSIP 001-10)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: USSR				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 30			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Mar 2013	Mar 2014					
Delivery Dates	Oct 2015	Oct 2016					
Manufacturer Name: DTS A1				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 6			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Mar 2014	Mar 2015	Mar 2016			
Delivery Dates		Sep 2014	Sep 2015	Sep 2016			
Manufacturer Name: DMD				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 13			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Mar 2014	Mar 2015				
Delivery Dates		Apr 2015	Apr 2016				
Manufacturer Name: ANAV				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 17			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Sep 2013	Jan 2014	Jan 2015	Jan 2016			
Delivery Dates	Dec 2014	Aug 2015	Jun 2016	Mar 2017			
Manufacturer Name: DMD Replacement				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 15			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			Jan 2015	Jan 2016			
Delivery Dates			Jun 2016	Jun 2017			

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 15 / Network Centric Operations: (OSIP 001-10)

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

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.119	6 / 0.048	46 / 0.335	52 / 0.408	- / 0.000	52 / 0.408	- / -	- / -	- / -	- / -	- / -	128 / 0.910
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.240	- / -	- / -	- / -	- / -	30 / 0.240
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.130	- / -	- / -	- / -	17 / 0.130
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	24 / 0.119	6 / 0.048	46 / 0.335	52 / 0.408	- / -	52 / 0.408	30 / 0.240	17 / 0.130	- / -	- / -	- / -	175 / 1.280

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	3	3	11	11	12	12	26	26	-	-	8	8	7	7	4	4	4	5	-	-	-	-	-	-	-	-	-	175
Out	24	-	-	3	3	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.148	33 / 1.993	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	37 / 2.141
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	39 / 2.398	- / -	39 / 2.398	- / -	- / -	- / -	- / -	- / -	39 / 2.398
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	44 / 2.754	- / -	- / -	- / -	- / -	44 / 2.754
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 3.313	- / -	- / -	- / -	52 / 3.313
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 15 / Network Centric Operations: (OSIP 001-10)

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

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	4 / 0.148	33 / 1.993	39 / 2.398	- / -	39 / 2.398	44 / 2.754	52 / 3.313	- / -	- / -	- / -	172 / 10.606

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	16	10	10	10	9	11	11	11	11	13	13	13	13	-	-	-	-	-	-	-	-	-	172
Out	-	2	-	2	-	-	-	17	16	10	10	10	9	11	11	11	11	13	13	13	13	-	-	-	-	-	-	-	-	-	172

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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	- / 0.000	35 / 1.225	- / -	- / -	- / -	- / -	- / -	35 / 1.225
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	20 / 0.700	- / -	20 / 0.700	- / -	- / -	- / -	- / -	- / -	20 / 0.700
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.713	- / -	- / -	- / -	- / -	20 / 0.713
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	55 / 1.925	- / -	55 / 1.925	20 / 0.713	- / -	- / -	- / -	- / -	75 / 2.638

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 15 / Network Centric Operations: (OSIP 001-10)

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

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	38 / 1.354	- / -	- / -	- / -	- / -	38 / 1.354
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	57 / 2.067	- / -	- / -	- / -	57 / 2.067
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	38 / 1.354	57 / 2.067	- / -	- / -	- / -	95 / 3.421

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 15 / Network Centric Operations: (OSIP 001-10)

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

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	52 / 1.560	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 1.560
FY 2013	- / -	- / -	- / -	30 / 0.930	- / -	30 / 0.930	- / -	- / -	- / -	- / -	- / -	30 / 0.930
FY 2014	- / -	- / -	- / -	8 / 0.231	- / -	8 / 0.231	28 / 0.868	- / -	- / -	- / -	- / -	36 / 1.099
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.624	16 / 0.512	- / -	- / -	- / -	36 / 1.136
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.375	- / -	- / -	- / -	12 / 0.375
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	52 / 1.560	38 / 1.161	- / -	38 / 1.161	48 / 1.492	28 / 0.887	- / -	- / -	- / -	166 / 5.100

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	13	13	2	12	12	12	12	12	12	12	12	12	4	-	-	-	-	-	-	-	-	-	-	166
Out	-	-	-	-	-	13	13	13	13	2	12	12	12	12	12	12	12	12	12	4	-	-	-	-	-	-	-	-	-	-	166

Method of Implementation (Organic): Not Installed - DTS A2 - A5 KITS (LOTS 26-29)

Installation Quantity: 172

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

Installation Quantity: 298

Method of Implementation (Organic): Organic - DTS B kits (lots 30 and above)

Installation Quantity: 554

Method of Implementation (Organic): Organic - DTP-N B-kits

Installation Quantity: 109

Method of Implementation (Organic): Organic - USSR Operational RMMs

Installation Quantity: 156

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 15 / Network Centric Operations: (OSIP 001-10)
Modification Item 1 of 1: Network Centric Operations: (OSIP 001-10)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - B-Kits Archive		Installation Quantity: 660
Footnotes: ⁽⁴⁴⁾ 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. ⁽⁴⁵⁾ Installation Kit N/R funding is high in FY13 due to DMD non-recurring engineering efforts prior to DMD kit procurements beginning in FY14. ⁽⁴⁶⁾ ANAV install kits (A-kits), previously identified as A2 and A3 kits, are now being incorporated into the install equipment (B-kit). As a result, the A2 and A3 install kit lines have been removed. ⁽⁴⁷⁾ Increase in FY18 is due to NRE efforts for Distributed Targeting Processor-Network. ⁽⁴⁸⁾ Other Support funding increases in FY14 due to ramp up of ANAV, DMD and DTS efforts.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 16 / EA-18G Unique OSIP (011-10)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	11.538	6.665	23.212	26.344	-	26.344	21.478	30.063	41.269	168.668	229.093	558.330
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	11.538	6.665	23.212	26.344	-	26.344	21.478	30.063	41.269	168.668	229.093	558.330
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	11.538	6.665	23.212	26.344	-	26.344	21.478	30.063	41.269	168.668	229.093	558.330
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 and Shop Replaceable Assemblies (SRAs) and achieve Depot Standup SRA capability. Funding will support the retrofit of the ALQ-99 Tactical Jamming System. The Joint Tactical Terminal-Receiver (JTT-R) 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 JTT-R 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

IBS Receiver Replacement (JTTR); H10 (SCS); EA-18G Hardback

Future Modifications

ALQ-218 Modifications; EA-18G SCS

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

JTT-R 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.

Increase in FY14 funding is due to addition of EA-G Hardback procurement, as well as increased IBS Receiver Replacement (JTTR) procurement.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 16 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	18 / 1.296	- / -	- / -	- / -	- / -	- / -	54 / 3.792	
Subtotal: Recurring	- / 0.000	- / 1.254	- / 1.242	- / 1.296	- / -	- / 1.296	- / -	- / -	- / -	- / -	- / -	- / 3.792	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 1.251	- / 0.049	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.300	
Subtotal: Non-Recurring	- / 1.251	- / 0.049	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.300	
B Kits													
Recurring													
2.1.1) IBS Receiver Replacement (JTTR) - Organic ⁽⁴⁹⁾	- / -	6 / 0.930	38 / 5.700	28 / 4.200	- / -	28 / 4.200	35 / 5.326	17 / 2.584	- / -	- / -	- / -	124 / 18.740	
2.1.2) H10 (SCS) - Organic	- / 8.103	- / 2.787	- / 2.572	- / 0.220	- / -	- / 0.220	- / 0.043	- / 0.044	- / 0.044	- / -	- / -	- / 13.813	
2.1.3) EA-18G Hardback - Organic	- / -	- / -	60 / 5.600	20 / 2.000	- / -	20 / 2.000	- / -	- / -	- / -	- / -	- / -	80 / 7.600	
2.1.4) ALQ-218 Modifications - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 13.899	93 / 119.625	31 / 40.593	135 / 174.117	
2.1.5) EA-18G SCS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.176	- / 16.239	- / 45.877	- / 188.500	- / 256.792	
2.1.6) B-Kits Archive - Organic	10 / 1.786	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.786	
Subtotal: Recurring	- / 9.889	- / 3.717	- / 13.872	- / 6.420	- / -	- / 6.420	- / 5.369	- / 8.804	- / 30.182	- / 165.502	- / 229.093	- / 472.848	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽⁵⁰⁾	- / 0.193	- / 0.952	- / 1.078	- / 1.100	- / -	- / 1.100	- / 6.392	- / 12.424	- / 6.450	- / 2.000	- / -	- / 30.589	
Subtotal: Non-Recurring	- / 0.193	- / 0.952	- / 1.078	- / 1.100	- / -	- / 1.100	- / 6.392	- / 12.424	- / 6.450	- / 2.000	- / -	- / 30.589	
Subtotal: EA-18G Unique OSIP (011-10)	10 / 11.333	24 / 5.972	116 / 16.192	66 / 8.816	- / -	66 / 8.816	35 / 11.761	17 / 21.228	11 / 36.632	93 / 167.502	31 / 229.093	403 / 508.529	
Subtotal: Procurement, All Modification Items	- / 11.333	- / 5.972	- / 16.192	- / 8.816	- / -	- / 8.816	- / 11.761	- / 21.228	- / 36.632	- / 167.502	- / 229.093	- / 508.529	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.002	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.002	
3.3) Training Equipment	- / -	- / -	- / 6.107	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.107	
3.4) Support Equipment ⁽⁵¹⁾	- / -	- / 0.146	- / 0.269	- / 15.064	- / -	- / 15.064	- / 8.212	- / 7.728	- / 3.491	- / -	- / -	- / 34.910	
3.5) ILS	- / 0.203	- / 0.423	- / 0.518	- / 0.655	- / -	- / 0.655	- / 0.366	- / 0.396	- / 0.515	- / 0.524	- / -	- / 3.600	
3.6) Other Support	- / -	- / 0.124	- / 0.126	- / 0.129	- / -	- / 0.129	- / 0.131	- / 0.375	- / 0.631	- / 0.642	- / -	- / 2.158	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series						Modification Number / Title: 16 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- /0.205	- /0.693	- /7.020	- /15.848	- / -	- /15.848	- /8.709	- /8.499	- /4.637	- /1.166	- / -	- /46.777	
Installation													
Modification Item 1 of 1: EA-18G Unique OSIP (011-10)	- /0.000	- / -	- / -	- /1.680	- / -	- /1.680	- /1.008	- /0.336	- / -	- / -	- / -	- /3.024	
Subtotal: Installation	- /0.000	- / -	- / -	- /1.680	- / -	- /1.680	- /1.008	- /0.336	- / -	- / -	- / -	- /3.024	
Total													
Total Cost (Procurement + Support + Installation)	11.538	6.665	23.212	26.344	-	26.344	21.478	30.063	41.269	168.668	229.093	558.330	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0525 / F-18 Series										Modification Number / Title: 16 / EA-18G Unique OSIP (011-10)											
Modification Item 1 of 1: EA-18G Unique OSIP (011-10)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: IBS Receiver															Manufacturer Location: >N/A																
Administrative Leadtime <i>(in Months)</i> : 4															Production Leadtime <i>(in Months)</i> : 16																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Sep 2013				Jan 2014				Jan 2015																					
Delivery Dates		Jan 2015				May 2015				May 2016																					
Installation Information																															
Method of Implementation: Navy Field Modification Team : Installation Name: IBS Receiver Replacement																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013		- / -		- / -		- / -		18 / 1.008		- / -		18 / 1.008		- / -		- / -		- / -		- / -		- / -		- / -		18 / 1.008					
FY 2014		- / -		- / -		- / -		12 / 0.672		- / -		12 / 0.672		6 / 0.336		- / -		- / -		- / -		- / -		- / -		18 / 1.008					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		12 / 0.672		6 / 0.336		- / -		- / -		- / -		- / -		18 / 1.008					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		30 / 1.680		- / -		30 / 1.680		18 / 1.008		6 / 0.336		- / -		- / -		- / -		- / -		54 / 3.024					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	12	12	6	-	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	54
Out	-	-	-	-	-	-	-	-	-	-	6	12	12	6	-	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	54
Method of Implementation (Organic): Organic - IBS Receiver Replacement (JTTR)																				Installation Quantity: 124											
Method of Implementation (Organic): Organic - EA-18G Hardback																				Installation Quantity: 80											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 16 / EA-18G Unique OSIP (011-10)
Modification Item 1 of 1: EA-18G Unique OSIP (011-10)		
Modification Item MDAP/MAIS Code:		
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: ⁽⁴⁹⁾ Kits have a higher unit cost in FY13 due to lower quantity procured. ⁽⁵⁰⁾ Funding increases in Installation Equipment N/R in FY16 and FY17 due to ALR-67 I-level depot standup efforts. ⁽⁵¹⁾ Funding increases in FY15 due to procurement of depot support equipment.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 17 / Power and Propulsion (11-13)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	-	2.856	1.290	-	1.290	46.862	51.979	53.387	72.768	182.254	411.396
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	2.856	1.290	-	1.290	46.862	51.979	53.387	72.768	182.254	411.396
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	-	2.856	1.290	-	1.290	46.862	51.979	53.387	72.768	182.254	411.396
(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)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 (GCUs), GCU Peculiar Support Equipment (PSE), Electrical Power and Secondary Power systems for service life extension.

Current Active Modifications:

ECP 6421; ECP 5070; ECP 6355R1; ECP 6355

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 FY14. NRE for retrofits began in FY13. Kit deliveries are scheduled for FY16. ECP 5070 (F/A-18A-D GCU Silicon Controlled Rectifier kit) deliveries are scheduled to begin in March of 2014. ECP 6355R1 (F/A 18 A-G GCU PSE upgrade) NRE is complete and kits are scheduled to begin delivery in FY 15. ECP 6355 (F/A 18 A-G PSE modification) hardware delivery is on schedule to be completed in FY 15.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 17 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	
2.1.3) GCU Reliability Upgrade midterm (ECP 6421) G3/ G4 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	85 / 8.925	110 / 11.758	74 / 8.052	240 / 26.585	450 / 47.700	959 / 103.020	
2.1.4) GCU Reliability Upgrade midterm Pt 2 (ECP 6421) G4 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	81 / 28.512	87 / 31.175	99 / 36.114	99 / 36.764	234 / 88.461	600 / 221.026	
Subtotal: Recurring	- / 0.000	- / -	- / 1.652	- / -	- / -	- / -	- / 37.437	- / 42.933	- / 44.166	- / 63.349	- / 136.161	- / 325.698	
Subtotal: Power and Propulsion (11-13)	- / -	- / -	468 / 1.652	- / -	- / -	- / -	166 / 37.437	197 / 42.933	173 / 44.166	339 / 63.349	684 / 136.161	2,027 / 325.698	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 1.652	- / -	- / -	- / -	- / 37.437	- / 42.933	- / 44.166	- / 63.349	- / 136.161	- / 325.698	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.571	- / 0.032	- / -	- / 0.200	- / -	- / 0.803	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.045	- / -	- / -	- / 0.045	
3.5) ILS	- / -	- / -	- / 0.312	- / 0.318	- / -	- / 0.318	- / 3.654	- / 3.720	- / 3.787	- / 3.733	- / 18.664	- / 34.188	
3.6) Other Support ⁽⁵²⁾	- / -	- / -	- / 0.892	- / 0.972	- / -	- / 0.972	- / 5.200	- / 5.294	- / 5.389	- / 5.486	- / 27.429	- / 50.662	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / 1.204	- / 1.290	- / -	- / 1.290	- / 9.425	- / 9.046	- / 9.221	- / 9.419	- / 46.093	- / 85.698	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	2.856	1.290	-	1.290	46.862	51.979	53.387	72.768	182.254	411.396	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 17 / Power and Propulsion (11-13)	
Modification Item 1 of 1: Power and Propulsion (11-13)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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) G3/G4					Installation Quantity: 959		
Method of Implementation (Organic): Not Installed - GCU Reliability Upgrade midterm Pt 2 (ECP 6421) G4					Installation Quantity: 600		
Footnotes: ⁽⁵²⁾ Other support increases in FY16 due to ramp up of GCU upgrade program.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 18 / Infrared Search and Track (IRST) (04-14)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	56.365	75.493	-	75.493	240.041	250.668	287.204	314.207	331.466	1,555.444
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	56.365	75.493	-	75.493	240.041	250.668	287.204	314.207	331.466	1,555.444
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	56.365	75.493	-	75.493	240.041	250.668	287.204	314.207	331.466	1,555.444
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 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 II (ECP) Award is scheduled for 2nd Quarter FY 2015. Block I LRIP I Award is scheduled for 4th Quarter FY 2014. Initial Operational Capability is scheduled for 1st Quarter FY 2017.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 18 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽⁵³⁾	- / -	- / -	4 / 44.740	6 / 55.390	- / -	6 / 55.390	20 / 146.843	25 / 149.007	- / -	- / -	- / -	55 / 395.980	
2.1.2) IRST B-kits (Block II) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 250.565	40 / 266.685	37 / 237.550	117 / 754.800	
2.1.3) IRST B-Kits (Block I to Block II) - Organic ⁽⁵⁴⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 22.870	37 / 47.857	55 / 70.727	
2.1.4) IRST H14 SCS (Block II) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.334	- / -	- / -	- / -	- / 16.334	
2.1.5) IRST Obsolescence - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.229	- / -	- / -	- / 7.342	- / 8.760	- / 17.331	
Subtotal: Recurring	- / 0.000	- / -	- / 44.740	- / 55.390	- / -	- / 55.390	- / 148.072	- / 165.341	- / 250.565	- / 296.897	- / 294.167	- / 1,255.172	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽⁵⁵⁾	- / -	- / -	- / -	- / 9.639	- / -	- / 9.639	- / 81.317	- / 74.483	- / 25.600	- / 6.072	- / 26.061	- / 223.172	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / 9.639	- / -	- / 9.639	- / 81.317	- / 74.483	- / 25.600	- / 6.072	- / 26.061	- / 223.172	
Subtotal: Infrared Search and Track (IRST) (04-14)	- / -	- / -	4 / 44.740	6 / 65.029	- / -	6 / 65.029	20 / 229.389	25 / 239.824	40 / 276.165	58 / 302.969	74 / 320.228	227 / 1,478.344	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 44.740	- / 65.029	- / -	- / 65.029	- / 229.389	- / 239.824	- / 276.165	- / 302.969	- / 320.228	- / 1,478.344	
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	- / -	- / -	- / 8.528	- / 7.311	- / -	- / 7.311	- / 7.443	- / 7.577	- / 7.713	- / 7.852	- / 7.852	- / 54.276	
3.6) Other Support	- / -	- / -	- / 3.097	- / 3.153	- / -	- / 3.153	- / 3.209	- / 3.267	- / 3.326	- / 3.386	- / 3.386	- / 22.824	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / 11.625	- / 10.464	- / -	- / 10.464	- / 10.652	- / 10.844	- / 11.039	- / 11.238	- / 11.238	- / 77.100	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	56.365	75.493	-	75.493	240.041	250.668	287.204	314.207	331.466	1,555.444	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 18 / Infrared Search and Track (IRST) (04-14)	
Modification Item 1 of 1: Infrared Search and Track (IRST) (04-14)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - IRST B-kits (Block I)					Installation Quantity: 55		
Method of Implementation (Organic): Organic - IRST B-kits (Block II)					Installation Quantity: 117		
Method of Implementation (Organic): Organic - IRST B-Kits (Block I to Block II)					Installation Quantity: 55		
Footnotes:							
⁽⁵³⁾ IRST kits are O-level install items and have no related install cost/schedule.							
⁽⁵⁴⁾ Quantity of 53 "Block I to Block II" kits procured beginning in FY19 will convert Block I kits to Block II kits.							
⁽⁵⁵⁾ A) Congressional mark for Installs (early to need) removed all non-recurring engineering funding in FY14. B) Installation Equipment N/R funding increases in FY16 due to ramp-up of IRST program.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 19 / Automated Information Systems (AIS) (OSIP 018-14)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	26.944	38.383	-	38.383	47.191	44.936	49.825	58.399	134.318	399.996
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	26.944	38.383	-	38.383	47.191	44.936	49.825	58.399	134.318	399.996
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	26.944	38.383	-	38.383	47.191	44.936	49.825	58.399	134.318	399.996
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 Weaponneering, 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 and SPAWAR Program Of Record Acquisition Decision Memorandums.

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) 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. F/A-18 and EA-18G NATOPS: Development is complete and updates 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 and the United States Marine Corps until 15 July 2016.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 19 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: Automated Information Systems (AIS) (OSIP 018-14)													
B Kits													
Recurring													
2.1.1) Automated Maintenance Environment (AME) software mod - Organic	- / -	- / -	- / 7.154	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.154	
Subtotal: Recurring	- / 0.000	- / -	- / 7.154	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.154	
Subtotal: Automated Information Systems (AIS) (OSIP 018-14)	- / -	- / -	- / 7.154	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.154	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 7.154	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.154	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data ⁽⁵⁶⁾	- / -	- / -	- / 10.997	- / 30.246	- / -	- / 30.246	- / 38.907	- / 36.502	- / 41.239	- / 49.659	- / 114.216	- / 321.766	
3.3) Training Equipment	- / -	- / -	- / 0.799	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.799	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / -	- / -	- / 0.522	- / 0.531	- / -	- / 0.531	- / 0.541	- / 0.551	- / 0.561	- / 0.571	- / 1.313	- / 4.590	
3.6) Other Support	- / -	- / -	- / 7.472	- / 7.606	- / -	- / 7.606	- / 7.743	- / 7.883	- / 8.025	- / 8.169	- / 18.789	- / 65.687	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / 19.790	- / 38.383	- / -	- / 38.383	- / 47.191	- / 44.936	- / 49.825	- / 58.399	- / 134.318	- / 392.842	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	26.944	38.383	-	38.383	47.191	44.936	49.825	58.399	134.318	399.996	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 19 / Automated Information Systems (AIS) (OSIP 018-14)	
Modification Item 1 of 1: Automated Information Systems (AIS) (OSIP 018-14)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		
Footnotes: ⁽⁵⁶⁾ FY15 costs increase due to no concurrency with in-production aircraft.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 20 / F/A-18E/F and EA-18G SLEP (OSIP 020-14)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	10.001	11.050	-	11.050	10.837	10.974	55.096	87.144	1,221.661	1,406.763
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	10.001	11.050	-	11.050	10.837	10.974	55.096	87.144	1,221.661	1,406.763
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	10.001	11.050	-	11.050	10.837	10.974	55.096	87.144	1,221.661	1,406.763

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 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-System 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 will begin Non-Recurring Engineering for Engineering Change Proposals to modify these aircraft to restore the airframe and sub systems to full life beginning in FY14.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 20 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.090	5 / 0.115	30 / 0.700	35 / 0.831	546 / 13.194	620 / 14.930	
1.1.2) ECP-XXX2: Landing Gear Systems - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.090	5 / 0.115	30 / 0.700	35 / 0.831	546 / 13.194	620 / 14.930	
1.1.3) ECP-XXX3: Fuel Delivery Systems - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.090	5 / 0.115	30 / 0.700	35 / 0.831	546 / 13.194	620 / 14.930	
1.1.4) ECP-XXX4: Environmental Control Systems - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.090	5 / 0.115	30 / 0.700	35 / 0.831	546 / 13.194	620 / 14.930	
1.1.5) ECP-XXX5: Mechanical Systems - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.090	5 / 0.115	30 / 0.700	35 / 0.831	546 / 13.194	620 / 14.930	
1.1.6) ECP-XXX6: Block 1 Forward Fuselage - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.090	4 / 0.092	30 / 0.700	35 / 0.831	547 / 13.218	620 / 14.931	
1.1.7) ECP-XXX7: Block 2 Forward Fuselage - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.090	30 / 0.687	35 / 0.816	551 / 13.079	620 / 14.672	
1.1.8) ECP-XXX8: Flight Controls - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.296	30 / 2.260	35 / 2.684	551 / 43.016	620 / 48.256	
1.1.9) ECP-XXX9: CRI Outer Wing - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.072	30 / 0.550	35 / 0.653	551 / 10.463	620 / 11.738	
1.1.10) ECP-XX10: Center Fuselage - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.400	30 / 3.054	35 / 3.627	551 / 58.129	620 / 65.210	
1.1.11) ECP-XX11: AFT Fuselage - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.240	4 / 0.244	30 / 1.865	35 / 2.215	547 / 35.248	620 / 39.812	
1.1.12) ECP-XX12: Vertical Tail - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.050	4 / 0.051	30 / 0.389	35 / 0.462	547 / 7.343	620 / 8.295	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.830	- / 1.820	- / 13.005	- / 15.443	- / 246.466	- / 277.564	
Non-Recurring													
1.2.1) Installation Kit N/R - Organic ⁽⁵⁷⁾	- / -	- / -	- / 8.745	- / 9.244	- / -	- / 9.244	- / 8.700	- / 5.283	- / 25.235	- / 11.852	- / 6.300	- / 75.359	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 8.745	- / 9.244	- / -	- / 9.244	- / 8.700	- / 5.283	- / 25.235	- / 11.852	- / 6.300	- / 75.359	
Subtotal: F/A-18E/F and EA-18G SLEP (OSIP 020-14)	- / -	- / -	- / 8.745	- / 9.244	- / -	- / 9.244	32 / 9.530	53 / 7.103	360 / 38.240	420 / 27.295	6,575 / 252.766	7,440 / 352.923	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 8.745	- / 9.244	- / -	- / 9.244	- / 9.530	- / 7.103	- / 38.240	- / 27.295	- / 252.766	- / 352.923	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0525 / F-18 Series										Modification Number / Title: 20 / 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)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: ECP-XXX1 - ECP XX12															Manufacturer Location: >N/A																
Administrative Leadtime (in Months): 4															Production Leadtime (in Months): 8																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates														Jan 2016				Jan 2017				Jan 2018				Jan 2019					
Delivery Dates														Sep 2016				Sep 2017				Sep 2018				Sep 2019					
Installation Information																															
Method of Implementation: Navy Drive-In Modification : Installation Name: SLEP Installs																															
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2014		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2015		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2016		- / -	- / -		- / -		- / -		- / -		- / -		- / -		32 / 2.540		- / -		- / -		- / -		32 / 2.540								
FY 2017		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		53 / 6.610		- / -		- / -		53 / 6.610								
FY 2018		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		360 / 48.511		- / -		360 / 48.511								
FY 2019		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		420 / 57.621		420 / 57.621								
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6,575 / 904.066		6,575 / 904.066								
Total		- / -	- / -		- / -		- / -		- / -		- / -		- / -		32 / 2.540		53 / 6.610		360 / 48.511		6,995 / 961.687		7,440 / 1,019.348								
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	24	29	-	-	180	180	-	-	6,995	7,440	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	16	-	-	24	29	-	-	180	180	-	-	6,995	7,440	
Footnotes:																															
(57) Funding increase in FY18 is due to ramp up of non-recurring engineering efforts for SLEP EPCs.																															
(58) Funding increase in FY18 is due to ramp up of SLEP efforts.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 20 / F/A-18E/F and EA-18G SLEP (OSIP 020-14)

⁽⁵⁹⁾ Funding increase in FY18 is due to ramp up of SLEP efforts.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 21 / Priority Stores Integration (OSIP 10-16)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	15.585	15.082	15.383	17.001	66.917	129.968
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	15.585	15.082	15.383	17.001	66.917	129.968
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	15.585	15.082	15.383	17.001	66.917	129.968
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 (PSI) 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-18 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 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 21 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / -	- / -	- / -	1,400 / 0.250	1,400 / 0.250	- / -	- / -	- / -	2,800 / 0.500	
1.1.2) ECP XXXB - LAU-116 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,800 / 0.518	- / -	- / -	2,800 / 0.518	
1.1.3) ECP XXXC - LAU-127 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,800 / 0.527	- / -	2,800 / 0.527	
1.1.4) ECP XXXD - SUU-78 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	1,400 / 0.250	1,400 / 0.250	- / -	- / -	- / -	2,800 / 0.500	
1.1.5) ECP XXXE - SUU-79 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,800 / 0.518	- / -	- / -	2,800 / 0.518	
1.1.6) ECP XXXF - SUU-80 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,800 / 0.527	- / -	2,800 / 0.527	
1.1.7) ECP XXXG - M61 Gun - Organic	- / -	- / -	- / -	- / -	- / -	- / -	700 / 0.500	700 / 0.518	- / -	- / -	- / -	1,400 / 1.018	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.000	- / 1.018	- / 1.036	- / 1.054	- / -	- / 4.108	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.500	- / 3.562	- / 3.627	- / 3.692	- / 18.462	- / 32.843	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 3.500	- / 3.562	- / 3.627	- / 3.692	- / 18.462	- / 32.843	
B Kits													
Recurring													
2.1.1) 29X (SCS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.943	- / 2.604	- / -	- / -	- / -	- / 5.547	
2.1.2) 31X (SCS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.665	- / 3.384	- / 10.510	- / 16.559	
2.1.3) H14 (SCS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.942	- / 2.604	- / -	- / -	- / -	- / 5.546	
2.1.4) H16 (SCS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.666	- / 3.385	- / 10.515	- / 16.566	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 5.885	- / 5.208	- / 5.331	- / 6.769	- / 21.025	- / 44.218	
Subtotal: Priority Stores Integration (OSIP 10-16)	- / -	- / -	- / -	- / -	- / -	- / -	3,500 / 10.385	3,500 / 9.788	5,600 / 9.994	5,600 / 11.515	- / 39.487	18,200 / 81.169	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 10.385	- / 9.788	- / 9.994	- / 11.515	- / 39.487	- / 81.169	
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	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.000	- / 2.036	- / 2.073	- / 2.110	- / 10.550	- / 18.769	
3.6) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.200	- / 3.258	- / 3.316	- / 3.376	- / 16.880	- / 30.030	
3.7) Interim Contractor Supoprt	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series						Modification Number / Title: 21 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	<i>- / 0.000</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 5.200</i>	<i>- / 5.294</i>	<i>- / 5.389</i>	<i>- / 5.486</i>	<i>- / 27.430</i>	<i>- / 48.799</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)	0.000	-	-	-	-	-	15.585	15.082	15.383	17.001	66.917	129.968	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 21 / Priority Stores Integration (OSIP 10-16)	
Modification Item 1 of 1: Priority Stores Integration (OSIP 10-16)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - ECP XXXA - LAU-115					Installation Quantity: 2800		
Method of Implementation (Organic): Organic - ECP XXXB - LAU-116					Installation Quantity: 2800		
Method of Implementation (Organic): Organic - ECP XXXC - LAU-127					Installation Quantity: 2800		
Method of Implementation (Organic): Organic - ECP XXXD - SUU-78					Installation Quantity: 2800		
Method of Implementation (Organic): Organic - ECP XXXE - SUU-79					Installation Quantity: 2800		
Method of Implementation (Organic): Organic - ECP XXXF - SUU-80					Installation Quantity: 2800		
Method of Implementation (Organic): Organic - ECP XXXG - M61 Gun					Installation Quantity: 1400		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 22 / Inactive OSIPs

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	248.620	-	-	-	-	-	-	-	-	-	-	248.620
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	248.620	-	-	-	-	-	-	-	-	-	-	248.620
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	248.620	-	-	-	-	-	-	-	-	-	-	248.620
(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)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 22 / Inactive OSIPs					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 248.620	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 248.620	
Subtotal: Support	- / 248.620	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 248.620	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	248.620	-	-	-	-	-	-	-	-	-	-	248.620	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 22 / Inactive OSIPs	
Modification Item 1 of 1: N/A							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy	Date: March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	718.633	2.274	2.127	0.480	-	0.480	-	-	-	-	-	723.514
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	718.633	2.274	2.127	0.480	-	0.480	-	-	-	-	-	723.514
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	718.633	2.274	2.127	0.480	-	0.480	-	-	-	-	-	723.514
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 (54) aircrafts: (38) CH-46E active + (4) HH-46E active + (12) CH-46E reserve aircrafts. Average age of aircraft (as of December 2012) is currently 46 years (or 11,400 hours). Design service life is 17,500 hours.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / H-46 SAFETY (025-97)	P-3a		-	-	82.182	-	-	0.096	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / H-46 GASSP (018-07)	P-3a		-	-	183.467	-	-	2.135	-	-	2.127	-	-	0.480	-	-	-	-	-	0.480
P-3a - 3 / H-46 AVIONICS UPGRADE (017-08)	P-3a		-	-	67.241	-	-	0.043	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 4 / INACTIVE OSIPS	P-3a		-	-	385.743	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	718.633	-	-	2.274	-	-	2.127	-	-	0.480	-	-	-	-	-	0.480

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / H-46 SAFETY (025-97)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82.278	
P-3a - 2 / H-46 GASSP (018-07)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	188.209	
P-3a - 3 / H-46 AVIONICS UPGRADE (017-08)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67.284	
P-3a - 4 / INACTIVE OSIPS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	385.743	
Total Gross/Weapon System Cost			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	723.514	
*For the P-3a, Title represents the Modification Number / Title.																					
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 2015 Navy		Date: March 2014
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 SAFETY (025-97)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	82.182	0.096	-	-	-	-	-	-	-	-	-	82.278
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	82.182	0.096	-	-	-	-	-	-	-	-	-	82.278
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	82.182	0.096	-	-	-	-	-	-	-	-	-	82.278
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The Safety Improvement Program was directed by Chief of Naval Operations letter 7100 serial N880F/7U660758 dated 10 January 97, and approved as an Abbreviated Acquisition Program by the Program Executive Officer on 24 October 97. This program contains the following Engineering Change Proposals (ECP):

Current Active Modifications:

1. HH-46E SEARCH AND RESCUE (SAR) CONVERSION: All Navy H-46Ds have been retired leaving the Marine Corp as the sole operator of the H-46D Type-Model-Series (TMS). The high flight hours on the HH-46D airframes, poor engine reliability and obsolescence issues make this aircraft difficult and expensive to operate and maintain. This ECP will convert 4 CH-46E helicopters to the HH-46E configuration to perform the SAR mission, and will permit retirement of the H-46D TMS.
2. Blue Force Tracker (BFT): Identifies location of friendly forces of all services both ground and air, also provides a limited long range communication capability. BFT displays this information on a moving map display in the cockpit. Installs provisions on 154 aircraft and buys 61 mission kits for deploying aircraft. [Install Equipment - BFT Ship Integration] BFT is a stand-alone Situational Awareness (SA) transceiver system employed on United States Marine Corps (USMC) aircraft and vehicles, and in their associated command posts. This system provides the Marine Expeditionary Unit and H-46 Squadron Commanders a tactical/operational picture, and enhanced SA in their command post. When their command post is afloat, BFT installed aboard ship provides the Commander and Staff the ability to command and control (C2) forces from ship to objective movement. The BFT improves USMC aircrew and passengers survivability against hostile threats by upgrading the threat detection ability, reducing vulnerability by communicating aircraft position to deconflict with friendly forces in the Area of Operations. This capability is currently being integrated aboard (11) Navy amphibious assault ships (9 - Landing Helicopter Docks, 1 - Landing Platform Dock and 1 - Landing Ship Dock). These installs are non-permanent changes or temporary installs that will remain in place until replaced by BFT 2.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

Current Active Modifications:

1. HH-46E SEARCH AND RESCUE (SAR) CONVERSION: This upgrade is complete.
2. BLUE FORCE TRACKER: Completing nonrecurring installations on ships. Integrating capability on aircraft continuing firmware/software upgrades.

ARCHIVE Modifications:

1. UTILITY HYDRAULIC SYSTEM REDESIGN: This upgrade is complete.
2. LOWER DUAL BOOST ACTUATOR: This upgrade is complete.
3. NVG COMPATIBLE COCKPIT DOME LIGHT: This upgrade is complete.
4. T58-16/402 RUNNING ENGINE WASH: This upgrade is complete.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 SAFETY (025-97)
5. SLIDING RESCUE HATCH (HELL HOLE DOOR): This upgrade is complete. 6. ALQ-157 INFRARED COUNTERMEASURES (IRCM): This upgrade is complete. 7. AN/ALE-47 COUNTERMEASURES DISPENSING SYSTEM (CMDS): This ECP was approved 26 Feb 2004. This upgrade is complete. 8. AN/AAR-47(V)2 MISSILE WARNING SET INSTALLATION: This ECP was approved 26 Feb 2004. This upgrade is complete. 9. ALE-47 Expendable PODs: This upgrade is complete. 10. CDNU: The CDNU update was cancelled when it was discovered that integration would have taken an extended period of time due to the complexity of the hardware and software design. Based on the total number of helicopters available for the installation and Five Year Rule considerations, it was decided that this program was no longer cost effective.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 SAFETY (025-97)			
Models of Systems Affected: H-46 SERIES H-46 SERIES					Modification Type: SAFETY IMPROVEMENT(OSIP 025-97)					Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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													
Modification Item 1 of 1: H-46 SAFETY (025-97)													
A Kits													
Recurring													
1.1.1) A Kits Blue Force Tracker - Organic	154 / 2.170	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	154 / 2.170
1.1.2) HH-46E Search and Rescue (SAR) - NonOrganic	7 / 0.635	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.635
1.1.3) Mission Kits Blue Force Tracker - Organic	271 / 3.263	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	271 / 3.263
1.1.4) Tactical Operating Center Kits - Organic	130 / 0.449	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 0.449
1.1.5) Tactical Operating Center Kits (OCO) - Organic	10 / 0.382	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.382
1.1.6) Archived ECPs Non-Organic - Organic	3,247 / 38.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3,247 / 38.141
1.1.7) Prior Year Installation Cost - Organic	1,676 / 14.960	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,676 / 14.960
Subtotal: Recurring	- / 60.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 60.000
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 3.760	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.760
Subtotal: Non-Recurring	- / 3.760	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.760
B Kits													
Recurring													
2.1.1) Install Equipment - BFT Ship Integration - NonOrganic ⁽¹⁾	11 / 0.259	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.259
Subtotal: Recurring	- / 0.259	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.259
Non-Recurring													
2.2.1) ECO MOD/ALQ-157 - Organic	- / 0.709	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.709
2.2.2) ECO NRE/NAVICP/ALQ-157 - Organic	- / 0.815	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.815
Subtotal: Non-Recurring	- / 1.524	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.524
Subtotal: H-46 SAFETY (025-97)	5,506 / 65.543	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5,506 / 65.543
Subtotal: Procurement, All Modification Items	- / 65.543	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 65.543
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data ⁽²⁾	- / 0.886	- / 0.096	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.982
3.3) Training Equipment	10 / 0.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.141
3.4) Support Equipment	- / 0.405	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.405
3.5) ILS	- / 1.172	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.172

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 SAFETY (025-97)			
Models of Systems Affected: H-46 SERIES H-46 SERIES				Modification Type: SAFETY IMPROVEMENT(OSIP 025-97)						Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	
3.6) Other Support	- / 13.228	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.228	
3.7) Other Support OCO	- / 0.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.080	
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 15.912	- / 0.096	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.008	
Installation													
<i>Modification Item 1 of 1:</i> H-46 SAFETY (025-97)	- / 0.727	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.727	
<i>Subtotal: Installation</i>	- / 0.727	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.727	
Total													
Total Cost (Procurement + Support + Installation)	82.182	0.096	-	-	-	-	-	-	-	-	-	82.278	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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 SAFETY (025-97)											
Modification Item 1 of 1: H-46 SAFETY (025-97)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Various															Manufacturer Location: >Various																
Administrative Leadtime (<i>in Months</i>): 0															Production Leadtime (<i>in Months</i>): 0																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Depot : Installation Name: HH-46E Search and Rescue (SAR)																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		7 / 0.320	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.320																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		7 / 0.320	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.320																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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
Out	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Method of Implementation: NORFOLK NAVAL SHIPYARD : Installation Name: Install Equipment - BFT Ship Integration																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		5 / 0.407	6 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.407																		

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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 SAFETY (025-97)																					
Modification Item 1 of 1: H-46 SAFETY (025-97)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: NORFOLK NAVAL SHIPYARD : Installation Name: Install Equipment - BFT Ship Integration																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>																
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
Total		5 / 0.407	6 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.407																	
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Out	5	1	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Method of Implementation (Organic): Organic - A Kits Blue Force Tracker																				Installation Quantity: 154											
Method of Implementation (Organic): Not Installed - Mission Kits Blue Force Tracker																				Installation Quantity: 271											
Method of Implementation (Organic): Not Installed - Tactical Operating Center Kits																				Installation Quantity: 130											
Method of Implementation (Organic): Not Installed - Tactical Operating Center Kits (OCO)																				Installation Quantity: 10											
Method of Implementation (Organic): Not Installed - Archived ECPs Non-Organic																				Installation Quantity: 3247											
Method of Implementation (Organic): Not Installed - Prior Year Installation Cost																				Installation Quantity: 1676											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 SAFETY (025-97)
Modification Item 1 of 1: H-46 SAFETY (025-97)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 10
Footnotes: (1) BFT Ship Integration Install Schedule: Quantity of (11) kits procured: (4 kits with prior year funds and 7 kits with FY12 funds). Installation: 11 Kits: 2-FY11, 3-FY12, 6-FY13. (2) Data cost in FY13 are required for Technical Publications		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0526 / H-46 Series	Modification Number / Title: 2 / H-46 GASSP (018-07)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	183.467	2.135	2.127	0.480	-	0.480	-	-	-	-	-	188.209
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	183.467	2.135	2.127	0.480	-	0.480	-	-	-	-	-	188.209
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	183.467	2.135	2.127	0.480	-	0.480	-	-	-	-	-	188.209

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0526 / H-46 Series				Modification Number / Title: 2 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽³⁾	371 / 13.356	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	371 / 13.356	
1.1.2) GASSP Block B (A-Kit) - NonOrganic ⁽⁴⁾	146 / 4.645	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	146 / 4.645	
1.1.3) GASSP Block C (A-Kit) - NonOrganic ⁽⁵⁾	268 / 25.453	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	268 / 25.453	
1.1.4) GASSP Kits (IMP Mod) - NonOrganic ⁽⁶⁾	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 ⁽⁷⁾	8,865 / 53.609	- / 0.075	1,290 / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10,155 / 54.584	
Subtotal: Recurring	- / 53.609	- / 0.075	- / 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 / 120.089	- / 0.075	1,290 / 1.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11,131 / 121.314	
Subtotal: Procurement, All Modification Items	- / 120.089	- / 0.075	- / 1.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 121.314	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 1.435	- / 0.221	- / 0.182	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.838	
3.3) Training Equipment ⁽⁸⁾	8 / 0.492	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.492	
3.4) Support Equipment	- / 9.095	- / 0.101	- / 0.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.446	
3.5) ILS	- / 2.104	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.104	
3.6) Other Support ⁽⁹⁾	- / 33.970	- / 1.738	- / 0.545	- / 0.480	- / -	- / 0.480	- / -	- / -	- / -	- / -	- / -	- / 36.733	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 47.096	- / 2.060	- / 0.977	- / 0.480	- / -	- / 0.480	- / -	- / -	- / -	- / -	- / -	- / 50.613	
Installation													

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0526 / H-46 Series						Modification Number / Title: 2 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: H-46 GASSP (018-07)	- / 16.282	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.282
	Subtotal: Installation	- / 16.282	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.282
	Total											
Total Cost (Procurement + Support + Installation)	183.467	2.135	2.127	0.480	-	0.480	-	-	-	-	-	188.209

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0526 / H-46 Series										Modification Number / Title: 2 / H-46 GASSP (018-07)											
Modification Item 1 of 1: H-46 GASSP (018-07)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Block C Mfg - PIF															Manufacturer Location: >Huntsville, Alabama																
Administrative Leadtime (<i>in Months</i>): 5															Production Leadtime (<i>in Months</i>): 1																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Contractor FMT & Concurrent with Depot Level Maintenance : Installation Name: GASSP Block A (A-Kit)																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		374 / 5.381	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	374 / 5.381																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		374 / 5.381	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	374 / 5.381																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	374
Out	374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	374
Method of Implementation: Contractor FMT& Concurrent with Depot Level Maintenance : Installation Name: GASSP Block B (A-Kit)																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		147 / 1.443	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	147 / 1.443																		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0526 / H-46 Series	Modification Number / Title: 2 / H-46 GASSP (018-07)

Modification Item 1 of 1: H-46 GASSP (018-07)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor FMT& Concurrent with Depot Level Maintenance : Installation Name: GASSP Block B (A-Kit)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	147 / 1.443	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	147 / 1.443

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	147
Out	147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	147

Method of Implementation: Contractor FMT& Concurrent with Depot Level Maintenance : Installation Name: GASSP Block C (A-Kit)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	264 / 6.893	8 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	272 / 6.893
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	264 / 6.893	8 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	272 / 6.893

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Exhibit P-3a, Individual Modification: PB 2015 Navy																								Date: March 2014							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1												P-1 Line Item Number / Title: 0526 / H-46 Series												Modification Number / Title: 2 / H-46 GASSP (018-07)							
Modification Item 1 of 1: H-46 GASSP (018-07)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Contractor FMT& Concurrent with Depot Level Maintenance : Installation Name: GASSP Block C (A-Kit)																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	264	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Out	232	32	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Method of Implementation: Contractor FMT& Concurrent with Depot Level Maintenance : Installation Name: GASSP Kits (IMP Mod)																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 / 2.565		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		134 / 2.565					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		134 / 2.565		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		134 / 2.565					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	130	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Method of Implementation (Organic): Organic - Installation Equipment																				Installation Quantity: 10155											
Method of Implementation (Organic): Organic - Installation Equipment N/R																				Installation Quantity: 1											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0526 / H-46 Series	Modification Number / Title: 2 / H-46 GASSP (018-07)
Modification Item 1 of 1: H-46 GASSP (018-07)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 8
Footnotes: (3) Block A Install Schedule: Qty of 374 GASSP Block A Installs = 119 each shipset + 1 trainer for Wire Strike Protection System (WSPS), 126 each shipset + 1 trainer for Electrical Hydraulic Pump (EHP) and 126 each shipset + 1 trainer for Electrical Block Upgrade. The 3 trainer kits were bought under Training Equipment. (4) Block B Install Schedule: Qty of 79 GASSP Block B Installs for AIMS enhancements with HTA + Qty of 68 Block B FY 2011 GASSP installs funded with FY 2009 OCO supplemental funding = 146 each shipset + 1 trainer (prior year, procured under Training Equipment) (5) Block C Install Schedule: Qty of 272 GASSP Block C Installs = 58 each shipset for MDP & OH (+ 1 trainer), 93 each shipset for VOR/ILS (+1 trainer), 59 each shipset for ICS (+1 trainer), and 58 each shipset (+1 trainer) for PTU. Qty of 34 Block C FY 2011 GASSP installs funded with FY 2009 OCO supplemental funding. The 4 trainer kits were procured under Training Equipment. (6) IMP Install Schedule: Qty of (190) kits bought with Supplemental funds in Prior Years. Qty of 134 Install Equipment = 71 each shipset + 1 trainer for Sync Shaft Fairings, 62 each shipset for APU Deck Upgrades. Remaining kits no longer required and have been taken apart and moved to supply. (7) 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. (8) 8 trainers consist of (3) for Block A; (1) for Block B and (4) for Block C Block A - (1) WSPS; (1) EHP and (1) Electrical Block Upgrade Block B - (1) AIMS Enhancement with HTA Block C - (1) MDP & OH; (1) VOR/ILS; (1) ICS and (1) PTU (9) 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 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0526 / H-46 Series	Modification Number / Title: 3 / H-46 AVIONICS UPGRADE (017-08)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	67.241	0.043	-	-	-	-	-	-	-	-	-	67.284
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	67.241	0.043	-	-	-	-	-	-	-	-	-	67.284
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	67.241	0.043	-	-	-	-	-	-	-	-	-	67.284
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

DESCRIPTION / JUSTIFICATION: The CH-46E has multiple avionics systems that are in need of upgrade. These systems include the cockpit information displays, the onboard navigation and communication systems and their perspective controls, the instrument flight required situational awareness systems and their associated displays and the survivability systems controls and displays.

LONG RANGE COMM: CH-46E aircraft perform missions over a wide area where they are outside of Line-Of-Sight (LOS) communication range. Mission changes, threat changes, and emergencies require that the crew have ability to communicate over long distances. Long Range Communication Integration provides over the horizon communication capability and mission flexibility. Funds for 50 mission kits of Advanced Long Range Communication System for installation in deployed CH-46E helicopters operating in support of GWOT from land bases and Marine Expeditionary Units amphibious shipping. One operational trainer will receive a partial install.

LAIRCM: Large Aircraft Infrared Counter Measure program (LAIRCM) meets an urgent requirement to improve the survivability of the CH-46E helicopter against infrared guided surface-to-air missiles. LAIRCM is a high-power directional infrared (IR) jammer. It is designed to defeat a wide range of infrared heat seeking missiles. Missile detection and tracking data is provided to the Signal processor by multi-color infrared sensors. The system includes a transformer-rectifier, an embedded Global Positioning System (GPS) inertial navigation system, 5 infrared missile warning sensors and 2 laser jammers. The system is dependent on GPS reception for precise location information. The GPS signal is protected by an Advanced Digital Antenna Program (ADAP), a GPS anti jam protection system. The systems will be installed on 31 aircraft and 1 trainer.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

LONG RANGE COMM: Preliminary Engineering Design completed May 2010. Preliminary Design Review (PDR) and Critical Design Review (CDR) completed. The equipment contract awarded March 2010 with Rockwell Collins for 3 Validation/Verification kits. Installations are complete.

LAIRCM: Validation installation complete. Verification installations complete. Recurring installations complete.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0526 / H-46 Series					Modification Number / Title: 3 / H-46 AVIONICS UPGRADE (017-08)				
Models of Systems Affected: H-46 SERIES			Modification Type: CH-46 AVIONICS UPGRADE PROGRAM (OSIP 017-08)					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 AVIONICS UPGRADE (017-08)													
A Kits													
Recurring													
1.1.1) ARC-220 - NonOrganic	50 / 1.097	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 1.097	
1.1.2) LAIRCM ADAP - NonOrganic	31 / 0.360	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 0.360	
1.1.3) LAIRCM ADAP AE - Organic	31 / 0.545	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 0.545	
1.1.4) LAIRCM ADAP Antenna - Organic	31 / 0.131	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 0.131	
1.1.5) LAIRCM - Organic	128 / 22.325	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	128 / 22.325	
1.1.6) LAIRCM Prior Year Installs - Organic	- / 5.217	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.217	
Subtotal: Recurring	- / 29.675	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.675	
Non-Recurring													
1.2.1) ARC-210 - Organic	- / 0.320	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.320	
1.2.2) ARC-220 - Organic	- / 0.280	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.280	
Subtotal: Non-Recurring	- / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.600	
B Kits													
Recurring													
2.1.1) ARC-210 - Organic	3 / 0.713	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.713	
2.1.2) ARC-220 - Organic	52 / 2.976	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 2.976	
2.1.3) LAIRCM - Organic	31 / 0.036	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 0.036	
2.1.4) Heads Up Display (HUD) - Organic	264 / 3.834	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	264 / 3.834	
Subtotal: Recurring	- / 7.559	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.559	
Non-Recurring													
2.2.2) LAIRCM - Organic	- / 5.847	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.847	
Subtotal: Non-Recurring	- / 5.847	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.847	
Subtotal: H-46 AVIONICS UPGRADE (017-08)	621 / 43.681	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	621 / 43.681	
Subtotal: Procurement, All Modification Items	- / 43.681	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 43.681	
Support (All Modification Items)													
3.1) Data	- / 1.636	- / 0.043	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.679	
3.2) Training Equipment	- / 0.842	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.842	
3.3) Support Equipment	- / 1.159	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.159	
3.4) ILS	- / 0.125	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.125	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0526 / H-46 Series						Modification Number / Title: 3 / H-46 AVIONICS UPGRADE (017-08)			
Models of Systems Affected: H-46 SERIES				Modification Type: CH-46 AVIONICS UPGRADE PROGRAM (OSIP 017-08)						Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	
3.5) Other Support	- / 18.440	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.440	
3.6) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 22.202	- / 0.043	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.245	
Installation													
<i>Modification Item 1 of 1:</i> H-46 AVIONICS UPGRADE (017-08)	- / 1.358	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.358	
<i>Subtotal: Installation</i>	- / 1.358	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.358	
Total													
Total Cost (Procurement + Support + Installation)	67.241	0.043	-	-	-	-	-	-	-	-	-	67.284	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0526 / H-46 Series										Modification Number / Title: 3 / H-46 AVIONICS UPGRADE (017-08)											
Modification Item 1 of 1: H-46 AVIONICS UPGRADE (017-08)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Manufacturer Name Not Provided.															Manufacturer Location: Manufacturer Location Not Provided.																
Administrative Leadtime (<i>in Months</i>):															Production Leadtime (<i>in Months</i>):																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Depot : Installation Name: ARC-220																															
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		50 / 1.137		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		50 / 1.137							
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		50 / 1.137		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		50 / 1.137							
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
Out	43	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
Method of Implementation: Contractor/Depot : Installation Name: LAIRCM ADAP																															
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 / 0.221		12 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		31 / 0.221							

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Exhibit P-3a, Individual Modification: PB 2015 Navy																		Date: March 2014													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0526 / H-46 Series										Modification Number / Title: 3 / H-46 AVIONICS UPGRADE (017-08)											
Modification Item 1 of 1: H-46 AVIONICS UPGRADE (017-08)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Contractor/Depot : Installation Name: LAIRCM ADAP																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																	
		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		19 / 0.221	12 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 0.221																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	19	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	
Out	13	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	
Method of Implementation (Organic): Not Installed - LAIRCM ADAP AE																		Installation Quantity: 31													
Method of Implementation (Organic): Not Installed - LAIRCM ADAP Antenna																		Installation Quantity: 31													
Method of Implementation (Organic): Not Installed - LAIRCM																		Installation Quantity: 128													
Method of Implementation (Organic): Not Installed - ARC-210																		Installation Quantity: 3													
Method of Implementation (Organic): Not Installed - ARC-220																		Installation Quantity: 52													
Method of Implementation (Organic): Not Installed - LAIRCM																		Installation Quantity: 31													

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0526 / H-46 Series	Modification Number / Title: 3 / H-46 AVIONICS UPGRADE (017-08)
Modification Item 1 of 1: H-46 AVIONICS UPGRADE (017-08)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Heads Up Display (HUD)		Installation Quantity: 264

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0526 / H-46 Series	Modification Number / Title: 4 / INACTIVE OSIPS

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	385.743	-	-	-	-	-	-	-	-	-	-	385.743
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	385.743	-	-	-	-	-	-	-	-	-	-	385.743
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	385.743	-	-	-	-	-	-	-	-	-	-	385.743
(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)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0526 / H-46 Series				Modification Number / Title: 4 / INACTIVE OSIPS					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 385.743	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 385.743	
Subtotal: Recurring	- / 385.743	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 385.743	
Subtotal: INACTIVE OSIPS	- / 385.743	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 385.743	
Subtotal: Procurement, All Modification Items	- / 385.743	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 385.743	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	385.743	-	-	-	-	-	-	-	-	-	-	385.743	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0526 / H-46 Series			Modification Number / Title: 4 / INACTIVE OSIPS	
Modification Item 1 of 1: INACTIVE OSIPS							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy	Date: March 2014

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: 0527 / AH-1W 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	693.152	6.645	-	-	-	-	-	-	-	-	-	699.797
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	693.152	6.645	-	-	-	-	-	-	-	-	-	699.797
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	693.152	6.645	-	-	-	-	-	-	-	-	-	699.797
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to the AH-1W aircraft. Modifications prior to FY 1997 were funded in the H-1 Series P-1 line item. FY 2015 projected AH-1W quantities are 128. The AH-1W is a tandem-seat, two-place attack helicopter. The mission of the AH-1W attack helicopter is to provide rotary wing close air support, anti-armor, armed escort, armed/visual reconnaissance, survivability enhancements, and fire support under day/night and adverse weather conditions and special operations support; supporting arms coordination and aeromedical evacuation. The armament of the AH-1W includes the Sidewinder, Hellfire, and Tube-launched Optically-tracked Wire-guided missile systems, a chin-mounted 20mm turret gun, and wide variety of forward-firing and gravity-released external stores. H-1 will continue to upgrade the applicable aircraft sensor and avionics systems and subsystems as well as the weapons rocket delivery system which includes the Advance Precision Kill Weapons System. In addition, air vehicle improvements requiring critical reliability enhancements are incorporated. The platform 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.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)	P-3a		-	-	1.559	-	-	3.053	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)	P-3a		-	-	65.934	-	-	3.592	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 3 / INACTIVE OSIPs	P-3a		-	-	625.659	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014						
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: 0527 / AH-1W 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 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Total Gross/Weapon System Cost			-	-	693.152	-	-	6.645	-	-	-	-	-	-	-	-	-	-	-	-
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.612
P-3a - 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69.526
P-3a - 3 / INACTIVE OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	625.659
Total Gross/Weapon System Cost			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	699.797
*For the P-3a, Title represents the Modification Number / Title.																				
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																				

Justification:

FY 2014-FY 2017 efforts previously budgeted under Budget Line Item (BLI) 0527 are now budgeted under BLI 0532.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0527 / AH-1W Series						Modification Number / Title: 1 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)		
Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1.559	3.053	-	-	-	-	-	-	-	-	-	4.612
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1.559	3.053	-	-	-	-	-	-	-	-	-	4.612
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1.559	3.053	-	-	-	-	-	-	-	-	-	4.612
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date.												
Description: This Operational, Safety, and Improvement Program (OSIP) incorporates a number of cost effective changes to the AH-1W, 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 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 in support of the Overseas Contingency Operations. The increased readiness and capabilities that will be realized support the tenets of Sea Power 21, specifically operational availability, enhanced capabilities, and interoperability. Systems improved on the AH-1W will forward fit to the AH-1Z through the H-1 Upgrades Remanufacture program 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. Planned improvements under this OSIP cover airframes, propulsion, survivability, reliability and maintainability, 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. Safety programs that will be implemented by this OSIP include, but are not limited to, reliability improvements covering non-recurring engineering and eventual replacement of the Direct Current generator, canopy door frame, main rotor gearbox, anti-collision lights, engine mount bearings, main driveshaft, aircraft NiCad battery, weight reduction/gross weight increase initiatives, cold spray magnesium/aluminum improvements, and armor flooring survivability enhancements. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Cold Spray Non-Recurring Engineering completed 2Q FY 2012. Procurement began 3Q FY 2012. Canopy door frame modification to AH-1W aircraft began FY 2013. Notes: 1. Installs for Canopy Door Frames and Main Rotor Gearbox are Organizational-Level installs. 2. Starting in FY 2014, all efforts previously budgeted under OSIP 13-12 are budgeted under Budget Line Item 0532 OSIP 13-14.												

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0527 / AH-1W Series					Modification Number / Title: 1 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)			
Models of Systems Affected: AH-1W					Modification Type: CRITICAL RELIABILITY ENHANCEMENTS					Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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> H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)													
A Kits													
Recurring													
1.1.1) Canopy Door Frame - Organic	- / -	50 / 1.955	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 1.955
<i>Subtotal: Recurring</i>	- / 0.000	- / 1.955	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.955
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / -	- / 0.045	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.045
<i>Subtotal: Non-Recurring</i>	- / 0.000	- / 0.045	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.045
B Kits													
Recurring													
2.1.1) Cold Spray - Organic	4 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.500
<i>Subtotal: Recurring</i>	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 0.590	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.590
<i>Subtotal: Non-Recurring</i>	- / 0.590	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.590
<i>Subtotal: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)</i>	4 / 1.090	50 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 3.090
<i>Subtotal: Procurement, All Modification Items</i>	- / 1.090	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.090
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	- / -	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200
3.6) Other Support	- / 0.469	- / 0.853	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.322
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<i>Subtotal: Support</i>	- / 0.469	- / 1.053	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.522
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0527 / AH-1W Series					Modification Number / Title: 1 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)				
Models of Systems Affected: AH-1W				Modification Type: CRITICAL RELIABILITY ENHANCEMENTS					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)		1.559	3.053	-	-	-	-	-	-	-	-	4.612	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0527 / AH-1W Series			Modification Number / Title: 1 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)	
Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - Canopy Door Frame					Installation Quantity: 50		
Method of Implementation (Organic): Not Installed - Cold Spray					Installation Quantity: 4		

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0527 / AH-1W Series						Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)		
Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	65.934	3.592	-	-	-	-	-	-	-	-	-	69.526
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	65.934	3.592	-	-	-	-	-	-	-	-	-	69.526
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	65.934	3.592	-	-	-	-	-	-	-	-	-	69.526
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date.												
Description: This Operational, Safety, and Improvement Program (OSIP) incorporates a number of cost effective changes to the AH-1W, 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 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 in support of the Overseas Contingency Operations. The increased readiness and capabilities that will be realized support the tenets of Sea Power 21, specifically operational availability, enhanced capabilities, and interoperability. Systems improved on the AH-1W will forward fit to the AH-1Z through the H-1 Upgrades Remanufacture program 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. Safety programs that will be implemented by this OSIP include, but are not limited to, spatial disorientation issues that will be addressed through aircraft upgrades such as integration of an upgrade to the Cockpit Control System, Heads-Up-Display improvements, Helmet Display and Tracker System (HDTs), Digital System Upgrade, Transponder upgrade, and Tactical Video Data Link (TVDL) system integration/upgrade, and ground and air collision. Avoidance issues will be addressed through integration of systems such as Ground Proximity Warning System, Terrain Awareness Warning System, Mid-Air Conflict Avoidance System, Degraded Visual Environment systems, Digital Interoperability initiatives, Obstacles Avoidance System, and Military Flight Operations Quality Assurance. Aircrew safety system upgrades include incorporation of the AN/ALE-47 Countermeasures Chaff Containers. This OSIP also addresses improvements to H-1 series helicopters' weapons systems to support and improve mission success, to include missile, rocket, and gun reliability and accuracy. These weapon systems include air-to-ground missile, Advanced Precision Kill Weapon System, Hellfire, 20MM Gun, launchers, turrets, and 20MM Linkless Feed System (LFS). The LFS ammo can/feeder assembly addresses the highest reliability degrader in the gun system. Additional weapons modifications that will significantly increase the accuracy and reliability of this critical weapons system and enhance the survivability of the flight crew include improved laser pointers (including mounting), an improved turret test console, and improved barrels. This OSIP addresses the United States Marine Corps' operational requirement to detect, identify, and destroy tactical-sized armored targets with precision guided munitions during day, night, and adverse weather conditions. The Night Targeting System (NTS) and Night Targeting System Upgrade (NTSU) provide a night/adverse weather Forward-Looking InfraRed and laser designator for Tube-launched Optically-tracked Wire-guided (TOW) missile and Hellfire capability. In addition, NTS/NTSU provides enhanced conventional weapons delivery by utilizing the systems laser ranging system. Additional NTS/NTSU improvements will include Weapons Repairable Assembly modifications to improve reliability, maintainability, and systems stabilization. NTS/NTSU obsolescence improvements will include, but are not limited to, integration of a Digital Video Recorder (DVR), incorporation of the Mission Data Loader functionality within the DVR, and integration of a Color Multi-Functional Display. Additionally, this OSIP will provide enhanced situational awareness and reduced workload through digital updates and digital interoperability to existing cockpit capabilities. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FY 2012 HDTs contract was awarded 4Q 2012 following the completion of Full Rate Production Decision Review and Integrated Logistics Assessment. Production LFS contract awarded 3Q 2013.												

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0527 / AH-1W Series	Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)
Note: 1. Starting in FY 2014, all efforts previously budgeted under OSIP 13-12 are budgeted under Budget Line Item 0532 OSIP 16-12.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0527 / AH-1W Series				Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)					
Models of Systems Affected: AH-1W				Modification Type: SAFETY/SURVIVABILITY/ READINESS/COMBAT EFFECTIVENESS				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 013-12)													
A Kits													
Recurring													
1.1.1) ANVIS HUD - NonOrganic ⁽¹⁾	75 / 4.798	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	75 / 4.798	
1.1.3) Tactical Video Data Link - NonOrganic	15 / 0.576	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.576	
Subtotal: Recurring	- / 5.374	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.374	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 2.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.080	
Subtotal: Non-Recurring	- / 2.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.080	
B Kits													
Recurring													
2.1.1) ANVIS HUD - Organic	75 / 11.491	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	75 / 11.491	
2.1.2) Linkless Feed System - Organic ⁽²⁾	81 / 15.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	81 / 15.013	
2.1.3) Linkless Feed Loader - Organic	22 / 0.227	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 0.227	
2.1.4) Tactical Video Data Link - Organic	15 / 0.864	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.864	
Subtotal: Recurring	- / 27.595	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 27.595	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 11.864	- / 0.871	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.735	
Subtotal: Non-Recurring	- / 11.864	- / 0.871	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.735	
Subtotal: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)	283 / 46.913	- / 0.871	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	283 / 47.784	
Subtotal: Procurement, All Modification Items	- / 46.913	- / 0.871	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 47.784	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.473	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.473	
3.2) Data	- / 0.495	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.495	
3.3) Training Equipment	4 / 2.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.275	
3.4) Support Equipment	8 / 3.470	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 3.470	
3.5) ILS	- / 3.263	- / 0.163	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.426	
3.6) Interim Contractor Support	- / 0.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.250	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0527 / AH-1W Series						Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)			
Models of Systems Affected: AH-1W				Modification Type: SAFETY/SURVIVABILITY/READINESS/COMBAT EFFECTIVENESS						Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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) Other Support	- / 2.643	- / 0.951	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.594	
<i>Subtotal: Support</i>	- / 12.869	- / 1.114	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.983	
Installation													
<i>Modification Item 1 of 1:</i> H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)	- / 6.152	- / 1.607	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.759	
<i>Subtotal: Installation</i>	- / 6.152	- / 1.607	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.759	
Total													
Total Cost (Procurement + Support + Installation)	65.934	3.592	-	-	-	-	-	-	-	-	-	69.526	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0527 / AH-1W Series				Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)				
Modification Item 1 of 1: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Elbit Systems Limited - ANVIS HUD							Manufacturer Location: >Israel					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Nov 2012											
Delivery Dates	Apr 2013											
Manufacturer Name: Elbit Systems Limited - Tactical Video Data Link							Manufacturer Location: >Israel					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 2					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Installation Information												
Method of Implementation: Contractor Field Mod Team : Installation Name: ANVIS HUD												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	24 / 5.567	27 / 1.607	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 7.174
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	24 / 5.567	27 / 1.607	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 7.174

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014										
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1											P-1 Line Item Number / Title: 0527 / AH-1W Series											Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)											
Modification Item 1 of 1: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)																																	
Modification Item MDAP/MAIS Code:																																	
Installation Information																																	
Method of Implementation: Contractor Field Mod Team : Installation Name: ANVIS HUD																																	
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	-	-	16	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
Out	24	-	-	16	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
Method of Implementation: Contractor Field Mod Team : Installation Name: Tactical Video Data Link																																	
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		15 / 0.585	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.585																				
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
Total		15 / 0.585	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.585																				
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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		
Method of Implementation (Organic): Not Installed - ANVIS HUD														Installation Quantity: 75																			
Method of Implementation (Organic): Not Installed - Linkless Feed System														Installation Quantity: 81																			

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0527 / AH-1W Series	Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)
Modification Item 1 of 1: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Linkless Feed Loader		Installation Quantity: 22
Method of Implementation (Organic): Not Installed - Tactical Video Data Link		Installation Quantity: 15
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 4
Method of Implementation (Organic): Not Installed - Support Equipment		Installation Quantity: 8
Footnotes: ⁽¹⁾ ANVIS HUD Installation Kits from FY 2011 (qty 8) and FY 2012 (qty 16) OSIP 13-00 completed in FY 2012. Due to aircraft availability FY 2012 OCO installation kits (qty 27) are being installed in FY 2013. Total kits installed under this OSIP is (qty of 51). Remaining FY 2012 OCO installation kits (qty 24) will complete in FY 2014. These FY 2014 installs will be reflected in BLI 0532 OSIP 16-12. ⁽²⁾ Prior year (FY 2011) Linkless Feed Systems were awarded in May 2013 at FY 2011 pricing, allowing a procurement of 81 vice 62.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0527 / AH-1W Series	Modification Number / Title: 3 / INACTIVE OSIPs

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	625.659	-	-	-	-	-	-	-	-	-	-	625.659
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	625.659	-	-	-	-	-	-	-	-	-	-	625.659
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	625.659	-	-	-	-	-	-	-	-	-	-	625.659
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0527 / AH-1W Series				Modification Number / Title: 3 / INACTIVE OSIPSS					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 OSIPSS													
A Kits													
Recurring													
1.1.1) New Cost Element - Organic	- / 625.659	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 625.659	
Subtotal: Recurring	- / 625.659	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 625.659	
Subtotal: INACTIVE OSIPSS	- / 625.659	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 625.659	
Subtotal: Procurement, All Modification Items	- / 625.659	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 625.659	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	625.659	-	-	-	-	-	-	-	-	-	-	625.659	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0527 / AH-1W Series			Modification Number / Title: 3 / INACTIVE OSIPSs	
Modification Item 1 of 1: INACTIVE OSIPSs							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy **Date:** March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,375.290	34.736	60.581	38.159	-	38.159	33.569	32.246	24.973	25.810	123.907	1,749.271
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,375.290	34.736	60.581	38.159	-	38.159	33.569	32.246	24.973	25.810	123.907	1,749.271
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,375.290	34.736	60.581	38.159	-	38.159	33.569	32.246	24.973	25.810	123.907	1,749.271
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Description:

DESCRIPTION: This line item funds modifications to the CH-53E - 151 and MH-53E - 28 aircraft. The aircraft inventories to be modified vary by Operational, Safety, and Improvement Program, dependant 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 FY15 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, funding under Integrated Mechanical Diagnostic System (IMDS 07-98) and Engine Reliability Improvement Program (ERIP 10-05) was realigned to Nacelles (09-01) and Avionics (31-12) to accelerate Nacelle kit procurements and meet fleet driven requirements for increased communication and navigation.

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.

Notes:

1. Installs are delayed throughout OSIPs due to aircraft availability.
2. Critical Systems Upgrade (CSU) is comprised of BFT kits, Satellite Communicatons (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.
3. Beginning FY15, Navy active and Navy reserve aircraft costs are separately identified in the budget exhibits. 145 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 179 H-53 aircraft.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy												Date: March 2014								
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:											
Secondary Distribution		FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019										
Navy	Quantity	-	-	-	-	-	-	-	-	-										
	Total Obligation Authority	11.066	19.729	17.516	-	17.516	15.398	17.405	13.055	13.645										
NR	Quantity	-	-	-	-	-	-	-	-	-										
	Total Obligation Authority	23.670	40.852	20.643	-	20.643	18.171	14.841	11.918	12.165										
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-										
	Total Obligation Authority	34.736	60.581	38.159	-	38.159	33.569	32.246	24.973	25.810										
Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / ATTN. TRP SEATS (OSIP 020-97)	P-3a		-	-	53.437	-	-	0.028	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / INTEGRATED MECH DIAG (OSIP 007-98)	P-3a		-	-	148.062	-	-	10.110	-	-	6.915	-	-	4.370	-	-	-	-	-	4.370
P-3a - 3 / NACELLES (OSIP 009-01)	P-3a		-	-	16.639	-	-	-	-	-	10.200	-	-	9.091	-	-	-	-	-	9.091
P-3a - 4 / H-53 ERIIP (OSIP 010-05)	P-3a		-	-	177.461	-	-	2.490	-	-	0.382	-	-	1.220	-	-	-	-	-	1.220
P-3a - 5 / H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac)	P-3a		-	-	133.253	-	-	0.040	-	-	1.680	-	-	-	-	-	-	-	-	-
P-3a - 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)	P-3a		-	-	199.022	-	-	19.300	-	-	28.762	-	-	14.821	-	-	-	-	-	14.821
P-3a - 7 / DIRCM (OSIP 010-08)	P-3a		-	-	203.663	-	-	0.704	-	-	1.004	-	-	2.464	-	-	-	-	-	2.464
P-3a - 8 / H-53 AVIONICS (OSIP 031-12)	P-3a		-	-	2.976	-	-	2.064	-	-	11.638	-	-	6.193	-	-	-	-	-	6.193
P-3a - 9 / Archived OSIPS	P-3a		-	-	440.777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	1,375.290	-	-	34.736	-	-	60.581	-	-	38.159	-	-	-	-	-	38.159

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / ATTEN. TRP SEATS (OSIP 020-97)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.465	
P-3a - 2 / INTEGRATED MECH DIAG (OSIP 007-98)	P-3a		-	-	4.693	-	-	7.512	-	-	3.984	-	-	2.496	-	-	-	-	-	188.142	
P-3a - 3 / NACELLES (OSIP 009-01)	P-3a		-	-	9.610	-	-	7.491	-	-	8.431	-	-	2.638	-	-	1.630	-	-	65.730	
P-3a - 4 / H-53 ERIP (OSIP 010-05)	P-3a		-	-	1.234	-	-	0.878	-	-	0.867	-	-	0.893	-	-	1.950	-	-	187.375	
P-3a - 5 / H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	134.973	
P-3a - 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)	P-3a		-	-	11.066	-	-	12.225	-	-	9.491	-	-	4.929	-	-	95.919	-	-	395.535	
P-3a - 7 / DIRCM (OSIP 010-08)	P-3a		-	-	0.218	-	-	-	-	-	-	-	-	-	-	-	1.951	-	-	210.004	
P-3a - 8 / H-53 AVIONICS (OSIP 031-12)	P-3a		-	-	6.748	-	-	4.140	-	-	2.200	-	-	14.854	-	-	22.457	-	-	73.270	
P-3a - 9 / Archived OSIPS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	440.777	
Total Gross/Weapon System Cost			-	-	33.569	-	-	32.246	-	-	24.973	-	-	25.810	-	-	123.907	-	-	1,749.271	
*For the P-3a, Title represents the Modification Number / Title.																					
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 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 1 / ATTN. TRP SEATS (OSIP 020-97)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	53.437	0.028	-	-	-	-	-	-	-	-	-	53.465
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	53.437	0.028	-	-	-	-	-	-	-	-	-	53.465
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	53.437	0.028	-	-	-	-	-	-	-	-	-	53.465
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 in FY12 and FY13. 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. CATSS/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 2015 Navy										Date: March 2014			
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 (151), MH-53E (28), 179 Total					Modification Type: SAFETY					Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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)	- / 0.590	- / 0.028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.618	
<i>Subtotal: Installation</i>	- / 0.590	- / 0.028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.618	
Total													
Total Cost (Procurement + Support + Installation)	53.437	0.028	-	-	-	-	-	-	-	-	-	53.465	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Martin Baker-CATSS															Manufacturer Location: >Middlesex, England																
Administrative Leadtime (in Months): 9															Production Leadtime (in Months): 12																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
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 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: [none specified] : Installation Name: MH-53E CATSS Kits																															
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		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		2 / 0.125		- / -		3 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		5 / 0.125							
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		2 / 0.125		- / -		3 / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		5 / 0.125							
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2015 Navy										Date: March 2014																													
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)																																							
Modification Item MDAP/MAIS Code:																																							
Installation Information																																							
Method of Implementation: CONTRACTOR INSTALLED-FIELD MOD TEAM : Installation Name: ATTEN. TRP SEATS (OSIP 020-97) CACCS																																							
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		172 / 0.465	11 / 0.028	14 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	197 / 0.493																										
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
Total		172 / 0.465	11 / 0.028	14 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	197 / 0.493																										
Installation Schedule																																							
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4										
In	172	6	-	-	5	4	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	197								
Out	172	6	-	-	5	4	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	197								
Method of Implementation (Organic): Organic - Archived ECP's OSIP 20-97																														Installation Quantity: 514									
Method of Implementation (Organic): Not Installed - Training Equipment																														Installation Quantity: 6									
Method of Implementation (Organic): Not Installed - Installation Cost-Prior Year																														Installation Quantity: 272									
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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	148.062	10.110	6.915	4.370	-	4.370	4.693	7.512	3.984	2.496	-	188.142
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	148.062	10.110	6.915	4.370	-	4.370	4.693	7.512	3.984	2.496	-	188.142
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	148.062	10.110	6.915	4.370	-	4.370	4.693	7.512	3.984	2.496	-	188.142
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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. 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, a capability designed to provide hazard monitoring and mitigation. 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 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:

- 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.
- 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. Included in the remaining 28 installs is 1 trainer kit (FY13).
- Lack of MH-53E aircraft availability delaying installations of FY12 kit buy until FY17/18.
- Lack of CH-53E aircraft availability delaying installations of prior year kit buy.
- 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.
- Increase in Support Equipment for FY13 reflects additional test sets to improve readiness, reduce maintenance costs/time to repair the aircraft.
- Prior year QTY of 1 CH-53E and 2 MH-53E installs did not occur due to loss of aircraft.
- CBM contract awards occur in FY14 and FY17. FY19 support requirements will finalize software upgrades.
- Costs to Complete reduced due to IMDS CBM requirements fulfilled with scheduled software releases in FY17 and FY19.
- 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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2015 Navy										Date: March 2014			
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 (151), MH-53E (28), 179 Total					Modification Type: SAFETY, READINESS, AND MAINTAINABILITY					Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / 4.570	- / 2.715	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.285
2.1.2) CBM Installation Equipment - Reserve - Organic	- / -	- / -	- / -	- / 2.341	- / -	- / 2.341	- / 3.383	- / 5.603	- / 2.577	- / 1.395	- / -	- / -	- / 15.299
2.1.3) Archived B Kits - Organic	31 / 2.448	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 2.448
Subtotal: Recurring	- / 2.448	- / 4.570	- / 2.715	- / 2.341	- / -	- / 2.341	- / 3.383	- / 5.603	- / 2.577	- / 1.395	- / -	- / -	- / 25.032
Subtotal: INTEGRATED MECH DIAG (OSIP 007-98)	219 / 64.183	- / 4.570	- / 2.715	- / 2.341	- / -	- / 2.341	- / 3.383	- / 5.603	- / 2.577	- / 1.395	- / -	- / -	219 / 86.767
Subtotal: Procurement, All Modification Items	- / 64.183	- / 4.570	- / 2.715	- / 2.341	- / -	- / 2.341	- / 3.383	- / 5.603	- / 2.577	- / 1.395	- / -	- / -	- / 86.767
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.217	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.217
3.2) Data	- / 1.341	- / 0.011	- / 0.106	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.458
3.3) Data - Reserve	- / -	- / -	- / -	- / 0.194	- / -	- / 0.194	- / -	- / 0.551	- / -	- / 0.200	- / -	- / -	- / 0.945
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	- / -	- / 0.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.530
3.8) Training Equipment - Reserve	- / -	- / -	- / -	- / 0.195	- / -	- / 0.195	- / 0.124	- / -	- / -	- / -	- / -	- / -	- / 0.319
3.9) Support Equipment	- / 2.450	- / 0.451	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.901
3.10) Condition Based Maint (CBM)	- / 2.922	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.922
3.11) ILS	- / 3.918	- / 0.394	- / 0.395	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.707
3.12) ILS - Reserve	- / -	- / -	- / -	- / 0.045	- / -	- / 0.045	- / 0.048	- / 0.049	- / 0.051	- / 0.050	- / -	- / -	- / 0.243

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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)													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: Goodrich-CH							Manufacturer Location: >Vergennes, VT						
Administrative Leadtime (<i>in Months</i>): 11							Production Leadtime (<i>in Months</i>): 4						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates													
Delivery Dates													
Manufacturer Name: Goodrich-MH							Manufacturer Location: >Vergennes, VT						
Administrative Leadtime (<i>in Months</i>): 3							Production Leadtime (<i>in Months</i>): 7						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	135 / 12.199	7 / 0.675	2 / 0.250	2 / 0.125	- / 0.000	2 / 0.125	- / -	1 / 0.125	1 / 0.125	- / -	- / -	148 / 13.499	
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	135 / 12.199	7 / 0.675	2 / 0.250	2 / 0.125	- / -	2 / 0.125	- / -	1 / 0.125	1 / 0.125	- / -	- / -	148 / 13.499	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: CONTRACTOR INSTALLED-FIELD MOD TEAM : Installation Name: IMDS (OSIP 07-98) CH-53

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	135	2	-	2	3	1	1	-	-	1	1	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	148
Out	135	2	-	2	3	1	1	-	-	1	1	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	148

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.848	7 / 1.265	14 / 1.771	3 / 0.375	- / 0.000	3 / 0.375	- / -	- / -	- / -	- / -	- / -	28 / 4.259
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 0.848	7 / 1.265	14 / 1.771	3 / 0.375	- / -	3 / 0.375	- / -	- / -	- / -	- / -	- / -	28 / 4.259

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	5	5	4	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	
Out	4	-	2	2	3	5	5	4	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 2
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⁾ Other support fluctuations are due to the CBM software upgrades. Upgrade procurements in FY14 and FY17 require ValVer testing in the years following each upgrade.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	16.639	-	10.200	9.091	-	9.091	9.610	7.491	8.431	2.638	1.630	65.730
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	16.639	-	10.200	9.091	-	9.091	9.610	7.491	8.431	2.638	1.630	65.730
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	16.639	-	10.200	9.091	-	9.091	9.610	7.491	8.431	2.638	1.630	65.730
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date.												
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 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 MMH driver in the fleet. This procurement would improve fleet safety and readiness. DEVELOPMENT STATUS/MAJOR MILESTONES: This modification provides improvements to the engine nacelles which are intended to decrease the maintenance man-hours expended on nacelles repair and replacement. This modification will incorporate the forward and aft engine nacelles for the H-53. Notes: 1. All installations are O-level. 2. QTY of 153 CH-53E kits includes 2 trainer kits. 3. 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. 4. Total qty CH Nacelles kits is 151; total qty CH backbone kits is 149 for ease of installation. Current Active Modifications: MH-53 Kit - Organic - O level install 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. CH-53 Kits - Organic - O level install for Improved GKN Nacelles kits.												

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2015 Navy									Date: March 2014			
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(151), MH-53E(28), 179 TOTAL				Modification Type: MISSION/MISSION ENHANCEMENT					Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 - Organic - Organic	- / -	- / -	- / -	19 / 0.190	- / -	19 / 0.190	1 / 0.010	1 / 0.010	1 / 0.010	- / -	- / -	22 / 0.220
1.1.2) MH-53E Backbone A Kits - Reserve - Organic	- / -	- / -	- / -	1 / 0.010	- / -	1 / 0.010	2 / 0.020	1 / 0.010	3 / 0.030	- / -	- / -	7 / 0.070
1.1.3) CH-53E Backbone A Kits - Organic - Organic	- / -	- / -	36 / 0.400	14 / 0.140	- / -	14 / 0.140	33 / 0.330	25 / 0.250	24 / 0.240	8 / 0.080	2 / 0.030	142 / 1.470
1.1.4) CH-53E Backbone A Kits - Reserve - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.040	2 / 0.020	- / -	6 / 0.060
1.1.5) MH-53E Kit - Organic - Organic	- / -	- / -	- / -	19 / 4.750	- / -	19 / 4.750	1 / 0.250	1 / 0.250	1 / 0.250	- / -	- / -	22 / 5.500
1.1.6) MH-53E Kits - Reserve - Organic	- / -	- / -	- / -	1 / 0.250	- / -	1 / 0.250	2 / 0.500	1 / 0.250	3 / 0.750	- / -	- / -	7 / 1.750
1.1.7) CH-53E KITS - Organic - Organic	3 / 0.675	- / -	36 / 9.000	14 / 3.500	- / -	14 / 3.500	33 / 8.263	25 / 6.500	24 / 6.000	8 / 2.000	2 / 0.500	145 / 36.438
1.1.8) CH-53E KITS - Reserve - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.000	2 / 0.500	- / -	6 / 1.500
1.1.9) Archived A Kits OSIP 09-01 - Organic	46 / 8.446	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 8.446
Subtotal: Recurring	- / 9.121	- / -	- / 9.400	- / 8.840	- / -	- / 8.840	- / 9.373	- / 7.270	- / 8.320	- / 2.600	- / 0.530	- / 55.454
Subtotal: NACELLES (OSIP 009-01)	49 / 9.121	- / -	72 / 9.400	68 / 8.840	- / -	68 / 8.840	72 / 9.373	54 / 7.270	64 / 8.320	20 / 2.600	4 / 0.530	403 / 55.454
Subtotal: Procurement, All Modification Items	- / 9.121	- / -	- / 9.400	- / 8.840	- / -	- / 8.840	- / 9.373	- / 7.270	- / 8.320	- / 2.600	- / 0.530	- / 55.454
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.100
3.3) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / 0.500
3.4) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.400	- / 0.400
3.5) ILS	- / 0.066	- / -	- / 0.157	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.223
3.6) ILS - Reserve	- / -	- / -	- / -	- / 0.103	- / -	- / 0.103	- / 0.106	- / 0.109	- / 0.111	- / 0.038	- / 0.200	- / 0.667
3.7) Other Support	- / 7.352	- / -	- / 0.643	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.995
3.8) Other Support - Reserve	- / -	- / -	- / -	- / 0.148	- / -	- / 0.148	- / 0.131	- / 0.112	- / -	- / -	- / -	- / 0.391
3.9) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 7.518	- / -	- / 0.800	- / 0.251	- / -	- / 0.251	- / 0.237	- / 0.221	- / 0.111	- / 0.038	- / 1.100	- / 10.276
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	16.639	-	10.200	9.091	-	9.091	9.610	7.491	8.431	2.638	1.630	65.730

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - MH-53E Backbone A Kits - Organic					Installation Quantity: 22		
Method of Implementation (Organic): Organic - MH-53E Backbone A Kits - Reserve					Installation Quantity: 7		
Method of Implementation (Organic): Organic - CH-53E Backbone A Kits - Organic					Installation Quantity: 142		
Method of Implementation (Organic): Organic - CH-53E Backbone A Kits - Reserve					Installation Quantity: 6		
Method of Implementation (Organic): Organic - MH-53E Kit - Organic					Installation Quantity: 22		
Method of Implementation (Organic): Organic - MH-53E Kits - Reserve					Installation Quantity: 7		
Method of Implementation (Organic): Organic - CH-53E KITS - Organic					Installation Quantity: 145		
Method of Implementation (Organic): Organic - CH-53E KITS - Reserve					Installation Quantity: 6		
Method of Implementation (Organic): Organic - Archived A Kits OSIP 09-01					Installation Quantity: 46		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ <i>in Millions</i>)	177.461	2.490	0.382	1.220	-	1.220	1.234	0.878	0.867	0.893	1.950	187.375
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	177.461	2.490	0.382	1.220	-	1.220	1.234	0.878	0.867	0.893	1.950	187.375
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	177.461	2.490	0.382	1.220	-	1.220	1.234	0.878	0.867	0.893	1.950	187.375
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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: 376 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. All ERIP procurements are for mods catagorized as B-kits. Contract award for FY12 quantities occurred March 2013.
2. 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.
3. All kit procurements have completed. Deliveries and installs will continue throughout the FYDP. Costs for kit procurements and installs were not broken out previously.
4. Cost to Complete reduced due to large quantity kit orders completed; NRE, kit procurements and associated costs for Improved Wolf Gasket, Externals Improvement and Gas Generator Turbine Improvements are now funded by other programs.
5. FY14 Congressional reduction eliminates support associated with installs; PPC 109 Rev A kit - QTY 24 installs will defer to "To Complete". PPC 119 - QTY 51 installs added to "To Complete" QTY 60 for a total of 111.

Current Active Modifications:

1. Power Plant Changes (PPC) 109 REV A KITS - Rev A converts 416 to 416A engine configuration.
2. PPC-119 Kits procured as 419 Fuel Control Kits and Fuel Controls 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 638 will install due to 4 mishaps.
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 2015 Navy		Date: March 2014
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 2015 Navy									Date: March 2014				
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)				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ERIP (OSIP 010-05)													
B Kits													
Recurring													
1.1.1) PPC 109 Rev A Kits - NonOrganic	157 / 21.487	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	157 / 21.487	
1.1.2) PPC 109 Rev A Kits - Reserve - NonOrganic	39 / 5.338	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 5.338	
1.1.3) PPC-119/419 Fuel Control/Pump Kits - NonOrganic ⁽⁵⁾	603 / 3.126	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	603 / 3.126	
1.1.4) PPC-119/419 Fuel Control/Pump Kits - Reserve - NonOrganic	39 / 0.202	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 0.202	
1.1.5) ARCHIVED B KITS - Organic	4,025 / 114.606	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4,025 / 114.606	
Subtotal: Recurring	- / 144.759	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 144.759	
Subtotal: H-53 ERIP (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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.300	
2.7) ILS - Reserve	- / -	- / -	- / -	- / 0.105	- / -	- / 0.105	- / 0.105	- / 0.099	- / 0.095	- / 0.095	- / 0.095	- / 0.594	
2.8) Other Support	- / 16.666	- / 2.113	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.779	
2.9) Other Support - Reserve	- / -	- / -	- / -	- / 0.138	- / -	- / 0.138	- / 0.197	- / 0.148	- / 0.123	- / 0.128	- / 0.135	- / 0.869	
2.10) Other Support-OCO	- / 5.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.400	
2.11) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 29.710	- / 2.113	- / -	- / 0.243	- / -	- / 0.243	- / 0.302	- / 0.247	- / 0.218	- / 0.223	- / 0.230	- / 33.286	
Installation													
Modification Item 1 of 1: H-53 ERIP (OSIP 010-05)	- / 2.992	- / 0.377	- / 0.382	- / 0.977	- / -	- / 0.977	- / 0.932	- / 0.631	- / 0.649	- / 0.670	- / 1.720	- / 9.330	
Subtotal: Installation	- / 2.992	- / 0.377	- / 0.382	- / 0.977	- / -	- / 0.977	- / 0.932	- / 0.631	- / 0.649	- / 0.670	- / 1.720	- / 9.330	
Total													
Total Cost (Procurement + Support + Installation)	177.461	2.490	0.382	1.220	-	1.220	1.234	0.878	0.867	0.893	1.950	187.375	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014						
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)					
Modification Item 1 of 1: H-53 ERIP (OSIP 010-05)													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: GE PPC-113							Manufacturer Location: >Not Specified..						
Administrative Leadtime (<i>in Months</i>): 10							Production Leadtime (<i>in Months</i>): 2						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates													
Delivery Dates													
Manufacturer Name: GE PPC-119							Manufacturer Location: >Not Specified..						
Administrative Leadtime (<i>in Months</i>): 10							Production Leadtime (<i>in Months</i>): 2						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates													
Delivery Dates													
Manufacturer Name: GE PPC-109 REV A							Manufacturer Location: >Not Specified..						
Administrative Leadtime (<i>in Months</i>): 6							Production Leadtime (<i>in Months</i>): 1						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates													
Delivery Dates													
Installation Information													
Method of Implementation: [none specified] : Installation Name: PPC 109 Rev A													
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Prior Years	104 / 1.605	24 / 0.377	- / -	24 / 0.384	- / 0.000	24 / 0.384	20 / 0.320	- / -	- / -	- / -	24 / 0.560	196 / 3.246	
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	104 / 1.605	24 / 0.377	- / -	24 / 0.384	- / -	24 / 0.384	20 / 0.320	- / -	- / -	- / -	24 / 0.560	196 / 3.246	

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014								
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)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: [none specified] : Installation Name: PPC 109 Rev A																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	104	6	6	6	6	-	-	-	-	6	6	6	6	6	6	6	2	-	-	-	-	-	-	-	-	-	-	-	-	24	196
Out	104	6	6	6	6	-	-	-	-	6	6	6	6	6	6	6	2	-	-	-	-	-	-	-	-	-	-	-	-	24	196
Method of Implementation: [none specified] : Installation Name: PPC119/419																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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		- / -		17 / 0.382		68 / 0.593		- / 0.000		68 / 0.593		68 / 0.612		68 / 0.631		68 / 0.649		68 / 0.670		111 / 1.160		638 / 6.084							
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		170 / 1.387		- / -		17 / 0.382		68 / 0.593		- / -		68 / 0.593		68 / 0.612		68 / 0.631		68 / 0.649		68 / 0.670		111 / 1.160		638 / 6.084							
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	5	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	111	638
Out	170	-	-	-	-	4	4	4	5	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	111	638
Method of Implementation (Organic): Not Installed - ARCHIVED B KITS																							Installation Quantity: 4025								
 Footnotes: (5) Total QTY 642 (603 reg and 39 Reserves) were procured of which 638 will install due to 4 mishaps.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	133.253	0.040	1.680	-	-	-	-	-	-	-	-	134.973
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	133.253	0.040	1.680	-	-	-	-	-	-	-	-	134.973
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	133.253	0.040	1.680	-	-	-	-	-	-	-	-	134.973

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 beyond FY14 (current plans through FY16). 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 Symbolology 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. All Overseas Contingency Operations (OCO) systems will be procured and installed prior to end of FY14.

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).

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
3. 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 (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. FY12 OCO will fund QTY (29) CSA installs. Funds will award in 4Q FY13 and install in FY14. 5. Operational commitment has kept Aircraft from inducting on time, delaying installation. Current Active Modifications: 20 BFT (OCO) kits are kept as a separate cost element. BFT A Kits CH-53 (OCO)- NonOrganic - wiring kit for BFT. BFT incorporates Force Battle Command Brigade and Below (FBCB2) capability in the H-53; provides near real-time tracking and displaying of friendly forces in the cockpit and increased situational awareness. 2 EDMs, and existing Global Positioning System are utilized, provides over-the-Horizon coverage with L-band Commercial SATCOM and 2-way data and Variable Message Format(VMF) messaging overlay on EDM moving map. 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 2015 Navy									Date: March 2014				
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(151), MH-53E(28), 179 Total				Modification Type: SAFETY, READINESS AND MAINTAINABILITY				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) BFT A Kits CH-53 (OCO) - NonOrganic	20 / 0.360	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.360	
1.1.2) BFT/CSU Kits/VDE Solution - NonOrganic	58 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	58 / -	
1.1.3) CH-53E CSA A Kits-OCO - NonOrganic	60 / 2.090	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 2.090	
1.1.5) SMFCD A Kits - NonOrganic	67 / 3.580	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	67 / 3.580	
1.1.6) ARCHIVED A KITS - Organic	945 / 33.517	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	945 / 33.517	
Subtotal: Recurring	- / 39.547	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 39.547	
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	- / 0.000	- / 0.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.040	
Subtotal: H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac)	1,875 / 83.360	- / 0.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,875 / 83.400	
Subtotal: Procurement, All Modification Items	- / 83.360	- / 0.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 83.400	
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	- / -	- / 0.109	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.384	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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(151), MH-53E(28), 179 Total				Modification Type: SAFETY, READINESS AND MAINTAINABILITY				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
3.11) ILS - OCO (CSA)	- / 0.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.275
3.12) Other Support	- / 18.080	- / -	- / 0.147	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.227
3.13) Other Support - OCO (CSA)	- / 2.446	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.446
3.14) Other Support - OCO (SMFCD)	- / 9.139	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.139
3.15) Interim Contractor Support	- / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.500
Subtotal: Support	- / 42.662	- / -	- / 0.256	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 42.918
Installation												
Modification Item 1 of 1: H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac)	- / 7.231	- / -	- / 1.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.655
Subtotal: Installation	- / 7.231	- / -	- / 1.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.655
Total												
Total Cost (Procurement + Support + Installation)	133.253	0.040	1.680	-	-	-	-	-	-	-	-	134.973

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin-CSA				Manufacturer Location: >Lexington, KY			
Administrative Leadtime (<i>in Months</i>): 2				Production Leadtime (<i>in Months</i>): 5			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Manufacturer Name: Raytheon-SMFCD				Manufacturer Location: >Indianapolis, IN			
Administrative Leadtime (<i>in Months</i>): 10				Production Leadtime (<i>in Months</i>): 4			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Manufacturer Name: Lockheed Martin-BFT/CSU				Manufacturer Location: >Lexington, KY			
Administrative Leadtime (<i>in Months</i>): 1				Production Leadtime (<i>in Months</i>): 1			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)
Prior Years	0 / 1.660	20 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.660
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 1.660	20 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.660

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
Out	-	-	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20

Method of Implementation: [none specified] : Installation Name: BFT/CSU Kits/VDE Solution

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 1.700	58 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	58 / 1.700
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 1.700	58 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	58 / 1.700

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	15	14	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	
Out	-	14	15	14	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 1.551	- / -	60 / 1.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 2.975
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 1.551	- / -	60 / 1.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 2.975

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	16	17	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60
Out	-	-	-	-	-	10	16	17	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 2.320	1 / 0.000	4 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.320
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	0 / 2.320	1 / -	4 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.320

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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: 945

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

Installation Quantity: 725

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	199.022	19.300	28.762	14.821	-	14.821	11.066	12.225	9.491	4.929	95.919	395.535
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	199.022	19.300	28.762	14.821	-	14.821	11.066	12.225	9.491	4.929	95.919	395.535
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	199.022	19.300	28.762	14.821	-	14.821	11.066	12.225	9.491	4.929	95.919	395.535

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Description:

The H-53 Aircraft are included in the Headquarters Marine Corps Aviation Plan through Calendar Year 2025. The H-53 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-53 component obsolescence (e.g. Engine Air Particle Separator (EAPS) redesign), structural limitations (e.g. transition bulkhead and station 820 structural improvement), aircrew safety systems and program sustainment support. This effort will sustain the H-53 legacy fleet in an affordable manner until the H-53 follow-on aircraft becomes available.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The H-53 Sustainment Program Acquisition Strategy was approved by Program Executive Office(Aircraft) in March 2006, to be executed as five Abbreviated Acquisition Programs (AAPs) for (1) Fatigue, (2) Obsolescence, (3) Readiness, 4) Safety, and 5) Automatic Flight Control System (AFCS). Each AAP consists of several independent projects, each of which has an independent platform effectivity, acquisition strategy, production lead time, production rate and quantity, and installation approach. Thus, they are not amenable to a "block upgrade" type approach. Each year of the program will involve 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 maintenance. As of 9 December 2013, the first four AAP's were retired.

Notes:

1. Kapton kits are comprised of various harnesses. Kapton harnesses has been added to replace those missing/broken/damaged in order to complete required Kapton kits.
2. Arc Fault Circuit Breakers was archived at OSD15; Arc Fault Circuit Breakers (REV 1) - QTY 179 is added to install replacement circuit breakers from manufacturer at no cost to the government for the Kit; Installs begin in FY15.
3. 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. There are being installed simultaneously with the Rev A Kit.

Current Active Modifications:

Aircrew Cooling-NonOrganic - installation of mini cooling units in the H-53E cabin to mitigate heat stress for aircrew.

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 able to react in a timely manner to a wiring fault, reducing potential of electrical arcing and inflight fires.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
Kapton Replacement Wiring Kits - Replaces deficient legacy wiring throughout the H-53E cabin. Now known to rapidly degrade with age, particularly in the maritime environment that naval aircraft operate and have been cited as the causal factor of over 100 documented incidences of electric malfunction and fire. Obsolescent Components - installation of upgrades/replacements to various obsolete legacy components. Safety/Readiness Improvement Kits-Organic - #2 Engine Fire Safety kits required to identify/prevent the main cause of fire during compressor stall at all power settings during flight, eliminating the #1 safety concern in the H-53 fleet; Rotor Brake Fire Prevention Kits. Engine Start Valve Kits-Organic Future Modifications: Improved Transformer-Rectifier Unit-Organic Soundproofing Retention Kits-Organic		

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 (151), MH-53E (28), 179 Total				Modification Type: MISSION/PERFORMANCE SUSTAINMENT					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	59 / 1.199	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	59 / 1.199	
1.1.2) Engine Start Valve Kits - Organic	- / -	- / -	180 / 0.540	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	180 / 0.540	
1.1.3) #2 Engine Fire Prevention Kits - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	90 / 3.600	77 / 3.080	- / -	- / -	167 / 6.680	
1.1.4) #2 Engine Fire Prevention Kits - Reserve - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.520	- / -	- / -	13 / 0.520	
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 (6)	- / -	12 / 0.103	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.103	
1.1.8) Kapton Wiring Kits (H-53) - NonOrganic (7)	107 / 20.740	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	107 / 20.740	
1.1.9) Kapton Wiring Kits (H-53) - Reserve - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.434	- / -	- / -	- / -	- / -	10 / 1.434	
1.1.10) Kapton Harnesses - Organic	- / -	- / -	230 / 2.515	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	230 / 2.515	
1.1.11) Obsolescent Components (H-53) - NonOrganic	139 / 4.033	- / -	57 / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	174 / 22.403	370 / 26.736	
1.1.12) Rotor Brake Fire Prevention Kit - Organic	- / -	- / -	- / -	2 / 0.002	- / -	2 / 0.002	167 / 0.167	- / -	- / -	- / -	- / -	169 / 0.169	
1.1.13) Rotor Brake Fire Prevention Kit - Reserve - Organic	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.013	- / -	- / -	- / -	- / -	13 / 0.013	
1.1.14) ARCHIVED A KITS - Organic	1,343 / 73.072	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,343 / 73.072	
Subtotal: Recurring	- / 99.150	- / 0.103	- / 3.355	- / 0.002	- / -	- / 0.002	- / 1.614	- / 3.600	- / 3.600	- / -	- / 22.403	- / 133.827	
Non-Recurring													
1.2.1) Installation Kits (including Automatic Flight Control System) - Organic	- / 22.468	- / 9.138	- / 10.768	- / 1.583	- / -	- / 1.583	- / 1.199	- / 1.079	- / 0.266	- / -	- / -	- / 46.501	
1.2.2) Non-Recurring Engineering - Reserve (including AFCS) - Organic	- / -	- / -	- / -	- / 2.053	- / -	- / 2.053	- / 1.414	- / 1.517	- / 0.926	- / 1.697	- / 7.962	- / 15.569	
1.2.3) Installation Kits (OCO) - Organic	- / 3.926	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.926	
Subtotal: Non-Recurring	- / 26.394	- / 9.138	- / 10.768	- / 3.636	- / -	- / 3.636	- / 2.613	- / 2.596	- / 1.192	- / 1.697	- / 7.962	- / 65.996	
B Kits													
Recurring													
2.1.1) Arc Fault Circuit Breaker REV 1 (H-53) - NonOrganic	- / -	- / -	- / -	179 / -	- / -	179 / -	- / -	- / -	- / -	- / -	- / -	179 / -	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 (151), MH-53E (28), 179 Total			Modification Type: MISSION/PERFORMANCE SUSTAINMENT					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
2.1.2) Improved Transformer-Rectifier Unit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	400 / 4.000	400 / 4.000
2.1.3) Safety/Readiness Improvement Kits - Organic	- / -	- / -	18 / 1.473	2 / 0.783	- / -	2 / 0.783	4 / 0.814	2 / 0.736	3 / 0.527	- / -	152 / 6.679	181 / 11.012
2.1.4) Soundproofing Retention Kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	183 / 9.150	183 / 9.150
2.1.5) ARCHIVED B KITS - Organic	1,121 / 17.893	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,121 / 17.893
Subtotal: Recurring	- / 17.893	- / -	- / 1.473	- / 0.783	- / -	- / 0.783	- / 0.814	- / 0.736	- / 0.527	- / -	- / 19.829	- / 42.055
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)	2,921 / 147.114	12 / 9.241	485 / 15.596	183 / 4.421	- / -	183 / 4.421	194 / 5.041	92 / 6.932	93 / 5.319	- / 1.697	909 / 50.194	4,889 / 245.555
Subtotal: Procurement, All Modification Items	- / 147.114	- / 9.241	- / 15.596	- / 4.421	- / -	- / 4.421	- / 5.041	- / 6.932	- / 5.319	- / 1.697	- / 50.194	- / 245.555
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data - OCO	- / 0.512	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.512
3.3) Data	- / 0.923	- / 0.067	- / 0.480	- / -	- / -	- / -	- / -	- / 0.029	- / -	- / -	- / -	- / 1.499
3.4) Data - Reserve	- / -	- / -	- / -	- / 0.833	- / -	- / 0.833	- / 0.504	- / 0.464	- / 0.300	- / 0.337	- / 4.931	- / 7.369
3.5) Training Equipment	6 / 0.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.030
3.6) Support Equipment	104 / 1.569	- / 0.036	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.850	104 / 2.455
3.7) ILS	- / 4.249	- / -	- / 2.366	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.615
3.8) ILS - Reserve	- / -	- / -	- / -	- / 0.989	- / -	- / 0.989	- / 0.740	- / 0.600	- / 0.460	- / 0.460	- / 4.231	- / 7.480
3.9) Other Support	- / 35.585	- / 5.074	- / 5.243	- / 1.733	- / -	- / 1.733	- / 1.517	- / 1.172	- / 1.255	- / 1.116	- / 17.201	- / 69.896
3.10) Other Support - Reserve	- / -	- / -	- / -	- / 1.734	- / -	- / 1.734	- / 1.518	- / 1.151	- / 0.457	- / 0.869	- / 17.202	- / 22.931
3.11) Other Support - OCO	- / 1.702	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.702
3.12) Interim Contractor support	- / 0.270	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.270
Subtotal: Support	- / 44.840	- / 5.177	- / 8.089	- / 5.289	- / -	- / 5.289	- / 4.279	- / 3.416	- / 2.472	- / 2.782	- / 44.415	- / 120.759
Installation												
Modification Item 1 of 1: H-53 A/C SUSTAINMENT (OSIP 008-06)	- / 7.068	- / 4.882	- / 5.077	- / 5.111	- / -	- / 5.111	- / 1.746	- / 1.877	- / 1.700	- / 0.450	- / 1.310	- / 29.221
Subtotal: Installation	- / 7.068	- / 4.882	- / 5.077	- / 5.111	- / -	- / 5.111	- / 1.746	- / 1.877	- / 1.700	- / 0.450	- / 1.310	- / 29.221
Total												
Total Cost (Procurement + Support + Installation)	199.022	19.300	28.762	14.821	-	14.821	11.066	12.225	9.491	4.929	95.919	395.535

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Carleton Tech, Inc-Aircrew Cooling Kits				Manufacturer Location: >Orchard Park, NY			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 2			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: SOFSA-KaptonWiring				Manufacturer Location: >Lexington, KY			
Administrative Leadtime (<i>in Months</i>): 10				Production Leadtime (<i>in Months</i>): 11			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates				Aug 2016			
Delivery Dates				Jul 2017			
Manufacturer Name: Sikorsky Aircraft Corp-Obsolescent Components				Manufacturer Location: >Stratford, CT			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 1			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Feb 2014					
Delivery Dates		Mar 2014					
Manufacturer Name: L-3-HEELS Rev A				Manufacturer Location: >Bluegrass, KY			
Administrative Leadtime (<i>in Months</i>): 11				Production Leadtime (<i>in Months</i>): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: TBD - Engine Fire Prevention Kits				Manufacturer Location: >TBD			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 8			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates					Mar 2017	Mar 2018	
Delivery Dates					Nov 2017	Nov 2018	
Manufacturer Name: Eaton - AFCB REV 1				Manufacturer Location: >Sarasota, FL			
Administrative Leadtime (<i>in Months</i>): 2				Production Leadtime (<i>in Months</i>): 1			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			Nov 2014				

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Delivery Dates			Dec 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.598	15 / 0.135	20 / 0.098	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	59 / 0.831
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	24 / 0.598	15 / 0.135	20 / 0.098	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	59 / 0.831

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	4	4	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59
Out	24	4	4	4	3	4	4	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	90 / 0.450	- / -	- / -	90 / 0.450
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	90 / 0.450	- / -	90 / 0.450
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	90 / 0.450	90 / 0.450	- / -	180 / 0.900

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	22	23	23	22	22	23	23	-	180	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	22	23	23	22	22	23	23	-	180	

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.128	15 / 0.116	38 / 0.076	- / 0.000	38 / 0.076	35 / 0.021	35 / 0.021	- / -	- / -	- / -	152 / 0.362
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	29 / 0.128	15 / 0.116	38 / 0.076	- / -	38 / 0.076	35 / 0.021	35 / 0.021	- / -	- / -	- / -	152 / 0.362

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	4	4	4	3	9	9	16	4	8	9	9	9	9	9	9	8	-	-	-	-	-	-	-	-	-	152
Out	-	7	7	7	8	4	4	4	3	9	9	16	4	8	9	9	9	9	9	9	8	-	-	-	-	-	-	-	-	-	152

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	95 / 4.908	45 / 4.591	31 / 4.855	28 / 4.520	- / 0.000	28 / 4.520	9 / 1.480	6 / 1.184	- / -	- / -	- / -	214 / 21.538
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.535	7 / 1.250	- / -	- / -	10 / 1.785
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	95 / 4.908	45 / 4.591	31 / 4.855	28 / 4.520	- / -	28 / 4.520	9 / 1.480	9 / 1.719	7 / 1.250	- / -	- / -	224 / 23.323

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	95	2	5	15	23	8	8	8	7	7	7	7	7	2	2	2	3	5	1	-	3	3	2	2	-	-	-	-	-	-	224
Out	95	2	5	15	23	8	8	8	7	7	7	7	7	2	2	2	3	5	1	-	3	3	2	2	-	-	-	-	-	-	224

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	121 / 1.562	18 / 0.028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	139 / 1.590
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	4 / 0.008	53 / 0.270	- / -	53 / 0.270	- / -	- / -	- / -	- / -	- / -	57 / 0.278
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	174 / 1.310	174 / 1.310
Total	121 / 1.562	18 / 0.028	4 / 0.008	53 / 0.270	- / -	53 / 0.270	- / -	- / -	- / -	- / -	174 / 1.310	370 / 3.178

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	121	5	4	5	4	-	1	2	1	13	13	13	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	174	370	
Out	121	5	4	5	4	-	1	2	1	13	13	13	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	174	370	

Method of Implementation: CONTRACTOR FIELD MOD TEAM : Installation Name: Arc Fault Circuit Breaker REV 1 (H-53)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	70 / 0.245	- / -	70 / 0.245	70 / 0.245	39 / 0.137	- / -	- / -	- / -	179 / 0.627
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: CONTRACTOR FIELD MOD TEAM : Installation Name: Arc Fault Circuit Breaker REV 1 (H-53)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	70 / 0.245	- / -	70 / 0.245	70 / 0.245	39 / 0.137	- / -	- / -	- / -	179 / 0.627

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	17	18	18	17	17	18	18	10	10	10	9	-	-	-	-	-	-	-	-	-	179
Out	-	-	-	-	-	-	-	-	-	17	17	18	18	17	17	18	18	10	10	10	9	-	-	-	-	-	-	-	-	-	179

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): Organic - Rotor Brake Fire Prevention Kit

Installation Quantity: 169

Method of Implementation (Organic): Organic - Rotor Brake Fire Prevention Kit - Reserve

Installation Quantity: 13

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

Installation Quantity: 1343

Method of Implementation (Organic): Not Installed - Improved Transformer-Rectifier Unit

Installation Quantity: 400

Method of Implementation (Organic): Organic - Safety/Readiness Improvement Kits

Installation Quantity: 181

Method of Implementation (Organic): Not Installed - Soundproofing Retention Kits

Installation Quantity: 183

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - ARCHIVED B KITS		Installation Quantity: 1121
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 6
Method of Implementation (Organic): Not Installed - Support Equipment		Installation Quantity: 104
Footnotes: ⁽⁶⁾ 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. ⁽⁷⁾ Lead times vary across FYs due to availability of AC.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	203.663	0.704	1.004	2.464	-	2.464	0.218	-	-	-	1.951	210.004
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	203.663	0.704	1.004	2.464	-	2.464	0.218	-	-	-	1.951	210.004
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	203.663	0.704	1.004	2.464	-	2.464	0.218	-	-	-	1.951	210.004
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date.												
Description: Currently, the H-53 has only Infrared (IR) detection equipment and rudimentary flares for use as countermeasure. 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 manpads, the weapon of choice in all current theaters. This system has been found effective against fourth generation IR manpads, and is extremely effective 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 lead 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 remaining funding 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. Installations surged in FY09 to achieve an EOC and then continue through FY16.												
Notes: 1. Total QTY (161) reflects 151 CH-53E DIRCM baseline kits, (2) maintenance trainers and (8) operational trainers. 2. FY11 CH-53 (DIRCM Rev-A) A kits QTY (153) are a revision to an existing kit.												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 (151), 151 Total				Modification Type: MISSION/PERFORMANCE SUSTAINMENT					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 (Ph I) - NonOrganic	17 / 5.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 5.200	
1.1.2) CH-53E Kits (Ph II) - NonOrganic	18 / 6.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 6.200	
1.1.3) CH-53E Kits (LBAD) SUPP - NonOrganic ^(B)	14 / 4.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 4.000	
1.1.4) CH-53E A Kits SUPP - NonOrganic	14 / 2.911	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 2.911	
1.1.5) CH-53 Kits - NonOrganic	44 / 9.811	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 9.811	
1.1.6) CH-53E Kits OCO - NonOrganic	54 / 5.483	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 5.483	
1.1.7) CH-53E (Rev-A) A-kits OCO - NonOrganic	147 / 2.771	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	147 / 2.771	
1.1.8) CH-53E (Rev-A) A Kits OCO - Reserve - NonOrganic	6 / 0.113	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.113	
1.1.9) Archived A Kits OSIP 10-08 - Organic	122 / 4.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	122 / 4.500	
Subtotal: Recurring	- / 40.989	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 40.989	
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													
Non-Recurring													
2.2.3) Archived B Kits - Organic	223 / 108.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	223 / 108.490	
Subtotal: Non-Recurring	- / 108.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 108.490	
Subtotal: DIRCM (OSIP 010-08)	662 / 155.254	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	662 / 155.254	
Subtotal: Procurement, All Modification Items	- / 155.254	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 155.254	
Support (All Modification Items)													
3.1) Data	- / 0.604	- / 0.171	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.775	
3.2) Training Equipment	- / 0.335	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.335	
3.3) Training Equipment-OCO	- / 0.999	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.999	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.000	
3.6) ILS-OCO	- / 0.234	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.234	
3.7) Other Support	- / 14.112	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.112	
3.8) Other Support-OCO	- / 9.541	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.541	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 (151), 151 Total				Modification Type: MISSION/PERFORMANCE SUSTAINMENT				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	
3.9) Interim Contractor Support	- / 6.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.041	
<i>Subtotal: Support</i>	- / 33.866	- / 0.171	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 34.037	
Installation													
<i>Modification Item 1 of 1:</i> DIRCM (OSIP 010-08)	- / 14.543	- / 0.533	- / 1.004	- / 2.464	- / -	- / 2.464	- / 0.218	- / -	- / -	- / -	- / 1.951	- / 20.713	
<i>Subtotal: Installation</i>	- / 14.543	- / 0.533	- / 1.004	- / 2.464	- / -	- / 2.464	- / 0.218	- / -	- / -	- / -	- / 1.951	- / 20.713	
Total													
Total Cost (Procurement + Support + Installation)	203.663	0.704	1.004	2.464	-	2.464	0.218	-	-	-	1.951	210.004	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Northrop Grumman-DIRCM															Manufacturer Location: >Rolling Meadows, IL																
Administrative Leadtime <i>(in Months)</i> : 1															Production Leadtime <i>(in Months)</i> : 12																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: CONTRACTOR FIELD MOD TEAM : Installation Name: DIRCM (OSIP 010-08)																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		155 / 14.543		5 / 0.533		34 / 1.004		60 / 2.464		- / 0.000		60 / 2.464		6 / 0.218		- / -		- / -		- / -		- / -		54 / 1.951		314 / 20.713					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		155 / 14.543		5 / 0.533		34 / 1.004		60 / 2.464		- / -		60 / 2.464		6 / 0.218		- / -		- / -		- / -		- / -		54 / 1.951		314 / 20.713					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	155	-	-	-	5	9	9	8	8	14	15	16	15	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	54	314
Out	155	-	-	-	5	9	9	8	8	14	15	16	15	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	54	314
Method of Implementation (Organic): Not Installed - Archived A Kits OSIP 10-08																				Installation Quantity: 122											
Method of Implementation (Organic): Not Installed - Installation Kits N/R																				Installation Quantity: 3											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Archived B Kits		Installation Quantity: 223

Footnotes:
(8) Lexington Bluegrass Army Depot (LBAD)

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2.976	2.064	11.638	6.193	-	6.193	6.748	4.140	2.200	14.854	22.457	73.270
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2.976	2.064	11.638	6.193	-	6.193	6.748	4.140	2.200	14.854	22.457	73.270
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.976	2.064	11.638	6.193	-	6.193	6.748	4.140	2.200	14.854	22.457	73.270
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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) installations. CSU leverages the aircraft state, rate, and acceleration data available through integration of the H764G Embedded Global Positioning System/Inertial Navigation System and development of improved hover symbology in providing the Phase I Degraded Visual Environment (VDE) solution. The CSU program also provides the platform for the installation of the APX-123 Transponder meeting Mode 5 Initial Operational Capability requirements. Targeted improvements include, but are not limited to Aircraft Survival Equipment (ASE) upgrades (including APR-39 and AAR-47), lack of 8.33 kHz frequency separation Fleet Requirements Document compliance, Area Navigation (RNAV) and Required Navigation Performance (RNP) (RNP/RNAV) certification, Variable Message Format Revision D change 1 compliance, embedded Terrain Avoidance and Warning System (eTAWS) integration, Collision Avoidance System integration, Over-the-Horizon communications and Crash Survivable Flight Data Recorder. Safety related improvements include lack of a solution mitigating Controlled Flight Into Terrain risk when operating in DVE. Blue Force Tracker (BFT) kneeboard hazard is corrected with the incorporation of an integrated Multi-Function Display (MFD) capable of processing and displaying a variety of flight and situational awareness information to pilots. Additionally, this funding provides for the integration of cockpit avionics with ASE to provide time critical data to other battlefield users in order to more rapidly prosecute threats. This request also funds non recurring engineering (NRE) purchase and installation of ARC-210 Satellite Communications (SATCOM) that meets over the horizon communication requirements. Smart Multi Function Color Display (SMFCD), CSU, Blue Force Tracker (BFT), and SATCOM have transitioned from various OSIPs into Avionics. This funding effort seeks to eliminate these, and other, 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.

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 (BOSS) 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 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 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 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 beyond FY14 (current plans through FY16). Current MAGTF future force laydown plans shows ACE MAGTF elements will not change in OEF through FY14.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
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 Blue Force Tracker (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 VDE solution. Due to VDE solution being comprised of the above, installation of QTY 151 (due to 4 mishaps) plus 10 trainers, VDE A-kits procured in archived VDE OSIP 20-07 with FY10 OCO are occurring simultaneously with BFT/CSU installs. Of the (161) installs, QTY (58) are being installed in OSIP 15-05 beginning FY13 with FY11/FY12 OCO funding. Remaining installs QTY (97) will complete under Avionics OSIP 31-12. Remaining QTY(6) kits will procure in FY16 under Avionics OSIP 31-12. CSU total kit QTY (161). 2. SMFCD total kit QTY is 161. QTY (151) 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 (94) will procure/install in Avionics OSIP 31-12. Trainers are not installed. 3. Satellite Communication (SATCOM) total kit QTY 161 was procured in prior years under archived VDE OSIP 20-07 with QTY (100) installs completed. Remaining installs QTY (61) will be install under Avionics OSIP 31-12. 4. Integrated Logistics Support (ILS), and other Support currently recorded as reserve will be corrected in PBIS and properly documented at PB15. 5. Starting in FY 15 the schedule does not reflect Prior year information for Reserves. Current Active Modifications: SMFCD A Kits - Non Organic SATCOM A Kits - Non Organic CSU A Kits - Non Organic MH-53E APR-39D(V)2 A Kits - Non Organic		

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 (151), MH-53E (28), 179 Total				Modification Type: MISSION/PERFORMANCE SUSTAINMENT					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽⁹⁾	62 / 0.000	- / -	11 / 0.440	6 / 0.240	- / -	6 / 0.240	2 / 0.080	3 / 0.120	- / -	25 / 1.300	41 / 1.695	150 / 3.875	
1.1.2) SMFCD - Reserve - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.312	- / -	6 / 0.312	
1.1.3) SATCOM - NonOrganic ⁽¹⁰⁾	61 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	61 / -	
1.1.4) Critical Systems upgrade (CSU) - NonOrganic ⁽¹¹⁾	97 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	97 / -	
1.1.5) Critical Systems Upgrade (CSU) - Reserve - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.420	- / -	- / -	- / -	- / -	6 / 0.420	
1.1.6) MH-53E APR-39D(V)2 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.025	2 / 0.050	26 / 0.650	29 / 0.725	
Subtotal: Recurring	- / 0.000	- / -	- / 0.440	- / 0.240	- / -	- / 0.240	- / 0.500	- / 0.120	- / 0.025	- / 1.662	- / 2.345	- / 5.332	
B Kits													
Recurring													
2.1.1) SMFCD B Kits - Organic	62 / 0.000	- / -	11 / 2.200	6 / 1.200	- / -	6 / 1.200	2 / 0.400	3 / 0.600	- / -	25 / 6.656	41 / 7.688	150 / 18.744	
2.1.2) SMFCD B Kits - Reserve - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.340	- / -	6 / 2.340	
2.1.3) MH APR-39D(V)2 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.025	2 / 0.050	26 / 0.650	29 / 0.725	
2.1.4) CH-53 ARC-210 SATCOM Kit-OCO - Organic	40 / 1.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 1.600	
Subtotal: Recurring	- / 1.600	- / -	- / 2.200	- / 1.200	- / -	- / 1.200	- / 0.400	- / 0.600	- / 0.025	- / 9.046	- / 8.338	- / 23.409	
Subtotal: H-53 AVIONICS (OSIP 031-12)	322 / 1.600	- / -	22 / 2.640	12 / 1.440	- / -	12 / 1.440	10 / 0.900	6 / 0.720	2 / 0.050	66 / 10.708	134 / 10.683	574 / 28.741	
Subtotal: Procurement, All Modification Items	- / 1.600	- / -	- / 2.640	- / 1.440	- / -	- / 1.440	- / 0.900	- / 0.720	- / 0.050	- / 10.708	- / 10.683	- / 28.741	
Support (All Modification Items)													
3.1) Engineering Change Orders/Non Recurring Engineering	- / -	- / -	- / 0.285	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.285	
3.2) Engineering Change Orders/Non Recurring Eng - Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.890	- / -	- / 1.640	- / 2.530	
3.3) Data	- / -	- / -	- / 0.629	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.629	
3.4) Software	- / -	- / -	- / 1.036	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.036	
3.5) Training Equipment - Reserve	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.300	- / -	- / 1.300	
3.6) Support Equipment	- / -	- / -	- / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.600	
3.7) ILS	- / -	- / -	- / 2.110	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.110	
3.8) ILS - Reserve	- / -	- / -	- / -	- / 0.475	- / -	- / 0.475	- / 0.297	- / 0.307	- / 0.150	- / 0.150	- / -	- / 1.379	
3.9) Other Support	- / 0.556	- / 1.455	- / 3.073	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.084	
3.10) Other Support - Reserve	- / -	- / -	- / -	- / 1.270	- / -	- / 1.270	- / 1.158	- / 1.056	- / 0.907	- / 1.100	- / 7.854	- / 13.345	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 (151), MH-53E (28), 179 Total					Modification Type: MISSION/PERFORMANCE SUSTAINMENT					Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>
3.11) Aircraft 539 Reconfigure Other Support - OCO	- / -	- / 0.609	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.609	
3.12) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 0.556	- / 2.064	- / 7.733	- / 1.745	- / -	- / 1.745	- / 1.455	- / 1.363	- / 1.947	- / 2.550	- / 9.494	- / 28.907	
Installation													
Modification Item 1 of 1: H-53 AVIONICS (OSIP 031-12)	- / 0.820	- / -	- / 1.265	- / 3.008	- / -	- / 3.008	- / 4.393	- / 2.057	- / 0.203	- / 1.596	- / 2.280	- / 15.622	
<i>Subtotal: Installation</i>	- / 0.820	- / -	- / 1.265	- / 3.008	- / -	- / 3.008	- / 4.393	- / 2.057	- / 0.203	- / 1.596	- / 2.280	- / 15.622	
Total													
Total Cost (Procurement + Support + Installation)	2.976	2.064	11.638	6.193	-	6.193	6.748	4.140	2.200	14.854	22.457	73.270	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014						
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)													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: Lockheed Martin-BFT/CSU							Manufacturer Location: >Lexington, KY						
Administrative Leadtime <i>(in Months)</i> : 9							Production Leadtime <i>(in Months)</i> : 11						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates				Jun 2016									
Delivery Dates				May 2017									
Manufacturer Name: Raytheon-SMFCD							Manufacturer Location: >Indianapolis, IN						
Administrative Leadtime <i>(in Months)</i> : 2							Production Leadtime <i>(in Months)</i> : 6						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates		Dec 2013	Oct 2014	Oct 2015	Dec 2016		Dec 2018						
Delivery Dates		Jun 2014	Oct 2014	Oct 2015	Jun 2017		Jun 2019						
Manufacturer Name: Rockwell Collins-SATCOM							Manufacturer Location: >CEDAR RAPIDS, IA						
Administrative Leadtime <i>(in Months)</i> : 4							Production Leadtime <i>(in Months)</i> : 12						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates													
Delivery Dates													
Manufacturer Name: TBD - APR-39D							Manufacturer Location: >TBD						
Administrative Leadtime <i>(in Months)</i> : 4							Production Leadtime <i>(in Months)</i> : 4						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates						Jan 2018	Oct 2018						
Delivery Dates						May 2018	May 2019						
Installation Information													
Method of Implementation: CONTRACTOR FIELD MOD TEAM : Installation Name: H-53 AVIONICS (OSIP 031-12) - SMFCD													
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	- / -	- / -	- / -	62 / 1.438	- / 0.000	62 / 1.438	- / -	- / -	- / -	- / -	- / -	- / -	62 / 1.438
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	11 / 0.264	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.264
FY 2015	- / -	- / -	- / -	2 / 0.050	- / -	2 / 0.050	4 / 0.100	- / -	- / -	- / -	- / -	- / -	6 / 0.150
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.050	- / -	- / -	- / -	- / -	- / -	2 / 0.050

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.090	- / -	- / -	- / -	3 / 0.090
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 0.967	- / -	31 / 0.967
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 0.720	41 / 0.720
Total	- / -	- / -	11 / 0.264	64 / 1.488	- / -	64 / 1.488	6 / 0.150	3 / 0.090	- / -	31 / 0.967	41 / 0.720	156 / 3.679

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	15	15	17	17	2	2	2	-	-	-	3	-	-	-	-	-	-	-	13	18	41	156
Out	-	-	-	-	-	-	-	5	6	15	15	17	17	2	2	2	-	-	-	3	-	-	-	-	-	-	-	13	18	41	156

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.820	15 / 0.000	46 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	61 / 0.820
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.820	15 / -	46 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	61 / 0.820

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	15	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61
Out	-	-	-	-	15	15	15	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 1.001	19 / 1.520	- / 0.000	19 / 1.520	50 / 4.243	12 / 1.127	1 / 0.143	4 / 0.509	- / -	97 / 8.543
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.840	- / -	- / -	- / -	6 / 0.840
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	11 / 1.001	19 / 1.520	- / -	19 / 1.520	50 / 4.243	18 / 1.967	1 / 0.143	4 / 0.509	- / -	103 / 9.383

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	5	5	5	4	12	12	13	13	4	4	5	5	1	-	-	-	1	1	1	1	-	103
Out	-	-	-	-	-	5	6	-	-	5	5	5	4	12	12	13	13	4	4	5	5	1	-	-	-	1	1	1	1	-	103

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.060	- / -	- / -	1 / 0.060
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.120	- / -	2 / 0.120
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 1.560	26 / 1.560
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.060	2 / 0.120	26 / 1.560	29 / 1.740

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	26	29	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	26	29	

Method of Implementation (Organic): Organic - SMFCD B Kits

Installation Quantity: 150

Method of Implementation (Organic): Organic - SMFCD B Kits - Reserve

Installation Quantity: 6

Method of Implementation (Organic): Organic - MH APR-39D(V)2

Installation Quantity: 29

Method of Implementation (Organic): Organic - CH-53 ARC-210 SATCOM Kit-OCO

Installation Quantity: 40

Footnotes:

⁽⁹⁾ Prior Year Kits procured under OSIP 15-05

⁽¹⁰⁾ Kits procured under OSIP 20-07

⁽¹¹⁾ 40 Visually Degraded Environment (VDE) kits are being installed simultaneously with BFT Kits. Prior year kits procured under OSIP 15-05

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014						
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total		
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy	Date: March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	635.789	94.311	121.018	108.850	-	108.850	147.708	120.832	134.761	152.554	412.909	1,928.732
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	635.789	94.311	121.018	108.850	-	108.850	147.708	120.832	134.761	152.554	412.909	1,928.732
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	635.789	94.311	121.018	108.850	-	108.850	147.708	120.832	134.761	152.554	412.909	1,928.732
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to H-60 Series aircraft. The H-60 Series program of record for modification is comprised of: 35 HH-60H, 87 SH-60B, 33 SH-60F, 275 MH-60S, 251 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.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / 009-03 SAFETY RELATED SYSTEM UPGRADE	P-3a		-	-	65.162	-	-	0.980	-	-	2.639	-	-	1.531	-	-	-	-	-	1.531
P-3a - 2 / 016-04 ARMED HELO/AMCM	P-3a		-	-	39.181	-	-	0.704	-	-	4.723	-	-	3.101	-	-	-	-	-	3.101
P-3a - 3 / 001-06 MH-60R WARFIGHTER	P-3a		-	-	112.688	-	-	13.017	-	-	60.901	-	-	46.563	-	-	-	-	-	46.563

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014						
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 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 4 / 009-07 MH-60S WARFIGHTER	P-3a		-	-	108.566	-	-	18.375	-	-	30.397	-	-	45.332	-	-	-	-	-	45.332
P-3a - 5 / 023-08 H-60 OVERLAND MISSIONS	P-3a		-	-	11.714	-	-	20.736	-	-	2.601	-	-	0.341	-	-	-	-	-	0.341
P-3a - 6 / 009-09 MH-60R/ S CREW WORKLOAD - OPERATOR SYSTEM INTERFACE	P-3a		-	-	46.371	-	-	2.392	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 7 / 005-12 AUTOMATIC RADAR PERISCOPE DETECTION DISCRIMINATION	P-3a		-	-	13.757	-	-	29.886	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 8 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT	P-3a		-	-	5.936	-	-	8.221	-	-	19.757	-	-	11.982	-	-	-	-	-	11.982
P-3a - 9 / Inactive OSIPs	P-3a		-	-	232.414	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	635.789	-	-	94.311	-	-	121.018	-	-	108.850	-	-	-	-	-	108.850
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / 009-03 SAFETY RELATED SYSTEM UPGRADE	P-3a		-	-	2.558	-	-	2.771	-	-	2.821	-	-	2.872	-	-	32.460	-	-	113.794
P-3a - 2 / 016-04 ARMED HELO/AMCM	P-3a		-	-	0.650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.359
P-3a - 3 / 001-06 MH-60R WARFIGHTER	P-3a		-	-	89.796	-	-	61.362	-	-	83.538	-	-	115.979	-	-	255.877	-	-	839.721
P-3a - 4 / 009-07 MH-60S WARFIGHTER	P-3a		-	-	42.704	-	-	44.186	-	-	36.201	-	-	24.998	-	-	63.659	-	-	414.418
P-3a - 5 / 023-08 H-60 OVERLAND MISSIONS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.392
P-3a - 6 / 009-09 MH-60R/ S CREW WORKLOAD - OPERATOR SYSTEM INTERFACE	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.313	-	-	56.076
P-3a - 7 / 005-12 AUTOMATIC RADAR PERISCOPE DETECTION DISCRIMINATION	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.643
P-3a - 8 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT	P-3a		-	-	12.000	-	-	12.513	-	-	12.201	-	-	8.705	-	-	53.600	-	-	144.915

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy **Date:** March 2014

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			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 9 / Inactive OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	232.41
Total Gross/Weapon System Cost			-	-	147.708	-	-	120.832	-	-	134.761	-	-	152.554	-	-	412.909	-	-	1,928.73

*For the P-3a, Title represents the Modification Number / Title.

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

Justification:

JUSTIFICATION FOR COST INCREASE ABOVE INFLATION FACTOR AND OTHER CHANGES:

OSIP 009-07 increases \$14.935M from FY2014 to FY2015 due to the following:

- 1) ECP 4046 ACV/DALS (1.1.8) increases 7 Qty / \$1.960M from FY2014 to FY2015 to meet fleet requirements. FY2014 reflects \$1.384M Congressional reduction enacted in the FY2014 Appropriations Act.
- 2) Integrated Mechanical Diagnostics system (IMDS) (1.1.9) increased 8 Qty / \$1.383M from FY2014 to FY2015 to meet fleet requirements.
- 3) Data Link (1.1.10) increases 20 Qty / \$7.128M from FY2014 to FY2015 to meet fleet requirements.
- 4) Installation Kits NR (1.2.1) is required in FY2015 for ECPs to address FFW capability issues discovered in fielding.
- 5) Training equipment (3.3) increases \$0.396M from FY2014 to FY2015 to support requirements for FAC/FIAC /FFW capabilities to include guns/rockets and Data Link modifications.
- 6) Support Equipment (3.4) procurement is required to support FAC/FIAC/FFW capabilities and data link modifications.
- 7) ILS support (3.5) increases \$0.255M from FY2014 to FY2015 to support fielding of FAC/FIAC/FFW capabilities to include guns/rockets.
- 8) Other support (3.6) increases \$3.473M from FY2014 to FY2015 to support the fielding of FAC/FIAC/FFW capabilities. FY2014 reflects \$3.000M reduction enacted in the FY2014 Appropriations Act. Other support is required for acquisition, configuration/documentation management, 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	65.162	0.980	2.639	1.531	-	1.531	2.558	2.771	2.821	2.872	32.460	113.794
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	65.162	0.980	2.639	1.531	-	1.531	2.558	2.771	2.821	2.872	32.460	113.794
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	65.162	0.980	2.639	1.531	-	1.531	2.558	2.771	2.821	2.872	32.460	113.794
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 T700 will undergo an engine upgrade in support of high gross weight and high altitude operations. 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, replacement 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 replacement of flight control bolts with self-retaining flight control bolts leading to increased component life.

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 attitude 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: Validation/Verification of the improved torque shaft bearings completed in 2013.

Current Active Modifications:

T700 Engine--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 and cutback diffuser.

Caution Advisory Panels--Replacement of current HH-60H Caution Advisory Panel with new caution advisory panel that is solid state.

Future Modifications:

Mobile Aircrew Restraint System (MARS)--Replace current restraint system with the MARS.

Elastomeric Bearings--Replace current H-60 platform damper bearings with elastomeric bearings.

Rescue Hooks--Replace current rescue hook on all H-60 platforms with a locking rescue hook.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

Ground Proximity Warning System (GPWS)--Warning system to the above ground attitude of the aircraft.

METHOD OF IMPLEMENTATION: T700 Engines are "O" Level Installs.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	55 / 1.650	37 / 1.110	- / -	37 / 1.110	46 / 1.380	60 / 1.800	60 / 1.800	60 / 1.800	1,082 / 32.460	1,400 / 42.000	
Subtotal: Recurring	- / 27.930	- / -	- / 1.650	- / 1.110	- / -	- / 1.110	- / 1.380	- / 1.800	- / 1.800	- / 1.800	- / 32.460	- / 69.930	
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 / 7.605	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	927 / 7.605	
Subtotal: Recurring	- / 7.605	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.605	
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 / 48.271	- / -	55 / 1.650	37 / 1.110	- / -	37 / 1.110	46 / 1.380	60 / 1.800	60 / 1.800	60 / 1.800	1,082 / 32.460	5,528 / 90.271	
Subtotal: Procurement, All Modification Items	- / 48.271	- / -	- / 1.650	- / 1.110	- / -	- / 1.110	- / 1.380	- / 1.800	- / 1.800	- / 1.800	- / 32.460	- / 90.271	
Support (All Modification Items)													
3.1) ENGINEERING CHANGE ORDERS	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.749	- / 0.534	- / 0.577	- / 0.620	- / -	- / 2.480	
3.2) SAFETY RELATED ECO	- / 0.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.030	
3.3) DATA	- / 1.670	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.670	
3.4) TRAINING EQUIPMENT	- / 0.429	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.429	
3.5) ILS	- / 0.640	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.640	
3.6) OTHER SUPPORT	- / 14.122	- / 0.980	- / 0.989	- / 0.421	- / -	- / 0.421	- / 0.429	- / 0.437	- / 0.444	- / 0.452	- / -	- / 18.274	
Subtotal: Support	- / 16.891	- / 0.980	- / 0.989	- / 0.421	- / -	- / 0.421	- / 1.178	- / 0.971	- / 1.021	- / 1.072	- / -	- / 23.523	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)		65.162	0.980	2.639	1.531	-	1.531	2.558	2.771	2.821	2.872	32.460	113.794

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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: 1400		
Method of Implementation (Organic): Organic - Archived ECPs					Installation Quantity: 927		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	39.181	0.704	4.723	3.101	-	3.101	0.650	-	-	-	-	48.359
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	39.181	0.704	4.723	3.101	-	3.101	0.650	-	-	-	-	48.359
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	39.181	0.704	4.723	3.101	-	3.101	0.650	-	-	-	-	48.359
<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>	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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.

This OSIP decreases by \$1.622M(34%) from FY2014 to FY2015.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽¹⁾	110 / 5.330	- / -	24 / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	134 / 6.830	
1.1.3) Airborne Mine Countermeasures (AMCM) - NonOrganic ⁽²⁾	9 / 0.011	9 / 0.011	64 / 0.064	68 / 0.071	- / -	68 / 0.071	68 / 0.082	- / -	- / -	- / -	- / -	218 / 0.239	
Subtotal: Recurring	- / 15.950	- / 0.011	- / 1.564	- / 0.071	- / -	- / 0.071	- / 0.082	- / -	- / -	- / -	- / -	- / 17.678	
Non-Recurring													
1.2.1) Installations Kits N/R - Organic ⁽³⁾	- / 4.205	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.205	
Subtotal: Non-Recurring	- / 4.205	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.205	
B Kits													
Recurring													
2.1.1) AMCM Mission Equipment - Organic	9 / 11.888	- / -	10 / 2.000	10 / 2.000	- / -	10 / 2.000	17 / 0.187	- / -	- / -	- / -	- / -	46 / 16.075	
2.1.2) Armed Helo Kit Modifications - Organic	22 / 0.220	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 0.220	
2.1.3) Auxiliary Tanks - Organic	20 / 2.810	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 2.810	
Subtotal: Recurring	- / 14.918	- / -	- / 2.000	- / 2.000	- / -	- / 2.000	- / 0.187	- / -	- / -	- / -	- / -	- / 19.105	
Subtotal: 016-04 ARMED HELO/AMCM	295 / 35.073	9 / 0.011	98 / 3.564	78 / 2.071	- / -	78 / 2.071	85 / 0.269	- / -	- / -	- / -	- / -	565 / 40.988	
Subtotal: Procurement, All Modification Items	- / 35.073	- / 0.011	- / 3.564	- / 2.071	- / -	- / 2.071	- / 0.269	- / -	- / -	- / -	- / -	- / 40.988	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.488	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.488	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support	- / 1.875	- / -	- / 0.389	- / 0.305	- / -	- / 0.305	- / 0.315	- / -	- / -	- / -	- / -	- / 2.884	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 2.363	- / -	- / 0.389	- / 0.305	- / -	- / 0.305	- / 0.315	- / -	- / -	- / -	- / -	- / 3.372	
Installation													
Modification Item 1 of 1: 016-04 ARMED HELO/AMCM	- / 1.745	- / 0.693	- / 0.770	- / 0.725	- / -	- / 0.725	- / 0.066	- / -	- / -	- / -	- / -	- / 3.999	
Subtotal: Installation	- / 1.745	- / 0.693	- / 0.770	- / 0.725	- / -	- / 0.725	- / 0.066	- / -	- / -	- / -	- / -	- / 3.999	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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)	39.181	0.704	4.723	3.101	-	3.101	0.650	-	-	-	-	48.359	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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																															
Modification Item MDAP/MAIS Code:																															
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 2013		FY 2014		FY 2015		FY 2016		FY 2017		FY 2018		FY 2019																	
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 2013		FY 2014		FY 2015		FY 2016		FY 2017		FY 2018		FY 2019																	
Contract Dates		Oct 2012		Oct 2013		Oct 2014		Oct 2015																							
Delivery Dates		Jan 2013		Jan 2014		Jan 2015		Jan 2016																							
Installation Information																															
Method of Implementation: Contractor Field Mod Team : Installation Name: Night Vision Device (NVD) Kits																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 1.659	36 / 0.685	36 / 0.706	3 / 0.060	- / 0.000	3 / 0.060	- / -	- / -	- / -	- / -	- / -	110 / 3.110																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	24 / 0.600	- / -	24 / 0.600	- / -	- / -	- / -	- / -	- / -	24 / 0.600																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		35 / 1.659	36 / 0.685	36 / 0.706	27 / 0.660	- / -	27 / 0.660	- / -	- / -	- / -	- / -	- / -	134 / 3.710																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	35	12	8	8	8	9	9	9	9	-	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	134
Out	35	12	8	8	8	9	9	9	9	-	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	134

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
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																																							
Modification Item MDAP/MAIS Code:																																							
Installation Information																																							
Method of Implementation: [none specified] : Installation Name: Airborne Mine Countermeasures (AMCM)																																							
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		9 / 0.086	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.086																										
FY 2013		- / -	9 / 0.008	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.008																										
FY 2014		- / -	- / -	64 / 0.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	64 / 0.064																										
FY 2015		- / -	- / -	- / -	68 / 0.065	- / -	68 / 0.065	- / -	- / -	- / -	- / -	- / -	68 / 0.065																										
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	68 / 0.066	- / -	- / -	- / -	- / -	68 / 0.066																										
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
Total		9 / 0.086	9 / 0.008	64 / 0.064	68 / 0.065	- / -	68 / 0.065	68 / 0.066	- / -	- / -	- / -	- / -	218 / 0.289																										
Installation Schedule																																							
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	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	4	4	-	21	21	22	-	23	23	22	-	23	23	22	-	-	-	-	-	-	-	-	-	-	-	-	-	218								
Out	9	-	1	4	4	-	20	22	22	-	22	24	22	-	22	24	22	-	-	-	-	-	-	-	-	-	-	-	-	-	218								
Method of Implementation (Organic): Organic - Archived ECPs																														Installation Quantity: 125									
Method of Implementation (Organic): Not Installed - AMCM Mission Equipment																														Installation Quantity: 46									
Method of Implementation (Organic): Not Installed - Armed Helo Kit Modifications																														Installation Quantity: 22									
Method of Implementation (Organic): Organic - Auxiliary Tanks																														Installation Quantity: 20									
Footnotes: ⁽¹⁾ FY2012 Night Vision Device (NVD) kits were procured and upon receipt it was realized that two components were missing making the kits incomplete. The additional component requirements have extended installations from FY2015 into FY2016.																																							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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
⁽²⁾ A-Kits--Airborne Mine Countermeasures (AMCM)--Increase in Unit Cost from FY2014 to FY2015 of \$1.000K each for 64 Kits at a total of \$64K to \$1.044K each for 68 Kits for a total of \$71K 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 218. ⁽³⁾ Four ECP 4000 kits installed as validation/verification Non-Recurring Engineering.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	112.688	13.017	60.901	46.563	-	46.563	89.796	61.362	83.538	115.979	255.877	839.721
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	112.688	13.017	60.901	46.563	-	46.563	89.796	61.362	83.538	115.979	255.877	839.721
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	112.688	13.017	60.901	46.563	-	46.563	89.796	61.362	83.538	115.979	255.877	839.721
(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)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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. Close Air Support improvements for accompanying assault SH-60B and MH-60R helicopters include (62 qty) M240 7.62MM machine gun kits, replacing aging M-60D gun systems. Fixed Forward Firing Weapons Systems, ANVIS-24 Helmet Display Targeting System (HDTs) and associated modifications in execution of 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. Two hundred forty-five MH-60R aircraft will receive ARPDD capability, 145 will be retrofitted. 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. Moving Map Integration (MMI) retrofit includes an upgraded Mission Computer (MC) and Advanced Data Terminal Set (ADTS). The upgraded MC will have increased processing capacity and gigabit ethernet to enable mission and data transfer requirements. The ADTS provides high-capacity storage and transfer of data with multi-level security enabling moving map integration and replacing obsolete components.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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
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. 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, and DVR are "O" Level Installs. JUSTIFICATION: This OSIP decreases \$14.388M(24%) from FY2014 to FY2015. 1) ARPDD B-Kits (2.1.3) in FY2014 reflects \$1.430M (1 Qty) Congressional reduction enacted in the FY2014 Appropriations Act. 2) Other support (3.6) in FY2014 reflects \$4.322M Congressional reduction enacted in the FY2014 Appropriation Act. Other support 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 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) ACOUSTICS TECH INSERT KITS - NonOrganic	47 / 5.297	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 5.297	
1.1.2) Archived ECPs - Organic	132 / 5.420	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	132 / 5.420	
1.1.3) IMDS KITS - NonOrganic	47 / 8.772	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 8.772	
1.1.4) INSTRUMENT LANDING SYSTEM (ILS) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 2.000	70 / 2.000	70 / 2.000	81 / 2.400	291 / 8.400	
1.1.5) CDL HAWKLINK KITS - Organic	37 / 20.155	11 / 6.004	12 / 6.808	12 / 6.471	- / -	12 / 6.471	5 / 1.751	- / -	- / -	- / -	- / -	77 / 41.189	
1.1.6) LINK-16 KITS - Organic	19 / 9.557	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 9.557	
1.1.7) ARPDD KIT - Organic	- / -	- / -	15 / 0.310	26 / 0.286	- / -	26 / 0.286	16 / 0.211	25 / 0.337	14 / 0.192	- / -	- / -	96 / 1.336	
1.1.8) ASIST - NonOrganic	- / -	- / -	- / -	4 / 0.580	- / -	4 / 0.580	4 / 0.584	4 / 0.625	- / -	- / -	- / -	12 / 1.789	
1.1.9) MOVING MAP INTEGRATION - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	222 / 53.502	222 / 53.502	
Subtotal: Recurring	- / 49.201	- / 6.004	- / 7.118	- / 7.337	- / -	- / 7.337	- / 2.546	- / 2.962	- / 2.192	- / 2.000	- / 55.902	- / 135.262	
B Kits													
Recurring													
2.1.1) Archived ECPs - Organic	10 / 8.218	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 8.218	
2.1.2) ACOUSTICS TECH INSERT KITS - NonOrganic	47 / 16.646	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 16.646	
2.1.3) APRDD KIT - Organic	- / -	- / -	12 / 22.208	9 / 15.300	- / -	9 / 15.300	26 / 53.040	16 / 33.293	25 / 54.193	29 / 62.774	15 / 36.032	132 / 276.840	
2.1.4) INSTRUMENT LANDING SYSTEM (ILS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 3.000	70 / 3.000	70 / 3.000	81 / 3.500	291 / 12.500	
2.1.5) ALFS Reliability Improvements - Organic	2 / 2.624	- / -	18 / 9.700	20 / 11.408	- / -	20 / 11.408	15 / 8.600	11 / 6.700	- / -	- / -	- / -	66 / 39.032	
2.1.6) HIRSS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	37 / 8.800	115 / 27.600	70 / 17.848	222 / 54.248	
Subtotal: Recurring	- / 27.488	- / -	- / 31.908	- / 26.708	- / -	- / 26.708	- / 61.640	- / 42.993	- / 65.993	- / 93.374	- / 57.380	- / 407.484	
Non-Recurring													
2.2.1) MOVING MAP INTEGRATION - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	222 / 122.766	222 / 122.766	
2.2.2) INSTALLATION EQUIPMENT N/R - Organic	- / 9.582	- / -	- / 6.243	- / -	- / -	- / -	- / 8.000	- / -	- / -	- / -	- / -	- / 23.825	
Subtotal: Non-Recurring	- / 9.582	- / -	- / 6.243	- / -	- / -	- / -	- / 8.000	- / -	- / -	- / -	- / 122.766	- / 146.591	
Subtotal: 001-06 MH-60R WARFIGHTER	341 / 86.271	11 / 6.004	57 / 45.269	71 / 34.045	- / -	71 / 34.045	66 / 72.186	196 / 45.955	216 / 68.185	284 / 95.374	691 / 236.048	1,933 / 689.337	
Subtotal: Procurement, All Modification Items	- / 86.271	- / 6.004	- / 45.269	- / 34.045	- / -	- / 34.045	- / 72.186	- / 45.955	- / 68.185	- / 95.374	- / 236.048	- / 689.337	
Support (All Modification Items)													
3.1) ENGINEERING CHANGE ORDERS	- / -	- / -	- / 0.442	- / 0.374	- / -	- / 0.374	- / 0.566	- / 0.731	- / 0.583	- / 0.500	- / 0.500	- / 3.696	
3.2) DATA	- / 0.682	- / -	- / 1.500	- / -	- / -	- / -	- / -	- / 0.200	- / -	- / -	- / -	- / 2.382	

UNCLASSIFIED

LI 0530 - SH-60 Series
Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: ASIST--TBD														Manufacturer Location: >TBD																	
Administrative Leadtime (in Months): 3														Production Leadtime (in Months): 12																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
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 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																		Nov 2016				Nov 2017				Nov 2018					
Delivery Dates																		Feb 2017				Feb 2018				Feb 2019					
Installation Information																															
Method of Implementation: Contractor Field Mod Team : Installation Name: ACOUSTICS TECH INSERT KITS																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		15 / 0.700		18 / 0.850		14 / 0.800		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		47 / 2.350					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		15 / 0.700		18 / 0.850		14 / 0.800		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		47 / 2.350					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	5	4	5	4	4	4	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47
Out	14	6	4	4	4	5	4	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: IMDS KITS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 2.798	10 / 0.856	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 3.654
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	37 / 2.798	10 / 0.856	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 3.654

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47
Out	24	12	1	3	-	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 0.700	- / -	- / -	- / -	70 / 0.700
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 0.700	- / -	- / -	70 / 0.700
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 0.700	- / -	70 / 0.700
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	81 / 0.810	81 / 0.810
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 0.700	70 / 0.700	70 / 0.700	81 / 0.810	291 / 2.910

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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

Modification Item MDAP/MAIS Code:

Installation Information

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

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	25	25	-	20	25	25	-	20	25	25	81	291	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	25	25	5	15	25	25	5	15	25	25	86	291	

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.180	4 / 0.190	4 / 0.200	- / -	- / -	12 / 0.570

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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: MOVING MAP INTEGRATION

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Contractor Field Mod Team : Installation Name: MOVING MAP INTEGRATION																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	222 / 12.654	222 / 12.654																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	222 / 12.654	222 / 12.654																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	222	222
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	222	222
Method of Implementation (Organic): Organic - Archived ECPs																				Installation Quantity: 132											
Method of Implementation (Organic): Organic - CDL HAWKLINK KITS																				Installation Quantity: 77											
Method of Implementation (Organic): Organic - LINK-16 KITS																				Installation Quantity: 19											
Method of Implementation (Organic): Organic - ARPDD KIT																				Installation Quantity: 96											
Method of Implementation (Organic): Organic - Archived ECPs																				Installation Quantity: 10											
Method of Implementation (Organic): Organic - APRDD KIT																				Installation Quantity: 132											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - INSTRUMENT LANDING SYSTEM (ILS)		Installation Quantity: 291
Method of Implementation (Organic): Organic - ALFS Reliability Improvements		Installation Quantity: 66
Method of Implementation (Organic): Organic - HIRSS		Installation Quantity: 222
Method of Implementation (Organic): Not Installed - MOVING MAP INTEGRATION		Installation Quantity: 222
Footnotes: ⁽⁴⁾ FY2015 Training Equipment (3.3) is required in support of ARPDD. ⁽⁵⁾ Other Support funding (3.6) 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. FY2014 reflects \$4.322M reduction enacted in the FY2014 Appropriations Act.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	108.566	18.375	30.397	45.332	-	45.332	42.704	44.186	36.201	24.998	63.659	414.418
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	108.566	18.375	30.397	45.332	-	45.332	42.704	44.186	36.201	24.998	63.659	414.418
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	108.566	18.375	30.397	45.332	-	45.332	42.704	44.186	36.201	24.998	63.659	414.418
(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)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Description:

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 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 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 COST INCREASE ABOVE INFLATION FACTOR AND OTHER CHANGES:

OSIP 009-07 increases \$14.935M from FY2014 to FY2015 due to the following:

- 1) ECP 4046 ACV/DALS (1.1.8) increases 7 Qty / \$1.960M from FY2014 to FY2015 to meet fleet requirements. FY2014 reflects \$1.384M Congressional reduction enacted in the FY2014 Appropriations Act.
- 2) Integrated Mechanical Diagnostics system (IMDS) (1.1.9) increased 8 Qty / \$1.383M from FY2014 to FY2015 to meet fleet requirements.
- 3) Data Link (1.1.10) increases 20 Qty / \$7.128M from FY2014 to FY2015 to meet fleet requirements.
- 4) Installation Kits NR (1.2.1) is required in FY2015 for ECPs to address FFW capability issues discovered in fielding.
- 5) Training equipment (3.3) increases \$0.396M from FY2014 to FY2015 to support requirements for FAC/FIAC /FFW capabilities to include guns/rockets and Data Link modifications.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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
6) Support Equipment (3.4) procurement is required to support FAC/FIAC/FFW capabilities and data link modifications. 7) ILS support (3.5) increases \$0.255M from FY2014 to FY2015 to support fielding of FAC/FIAC/FFW capabilities to include guns/rockets. 8) Other support (3.6) increases \$3.473M from FY2014 to FY2015 to support the fielding of FAC/FIAC/FFW capabilities. FY2014 reflects \$3.000M reduction enacted in the FY2014 Appropriations Act. Other support is required for acquisition, configuration/documentation management, scheduling of aircraft and installation activities, engineering, and test support required to incorporate the modification on the MH-60S aircraft. 9) FY2014 Installations costs for ECP4039 reflects \$3.900M reduction enacted in the FY2014 Appropriations Act.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) ECP 4015 (H60-050) Block 3A - NonOrganic ⁽⁶⁾	26 / 13.458	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 13.458	
1.1.3) ECP 4034 Block 2B/Block 3B Full P3I - NonOrganic	46 / 8.190	- / -	8 / 1.525	6 / 1.271	- / -	6 / 1.271	- / -	- / -	- / -	- / -	- / -	60 / 10.986	
1.1.4) ECP 4034 Block 3B Partial P3I - NonOrganic ⁽⁷⁾	45 / 1.006	- / -	1 / 0.015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 1.021	
1.1.5) ECP 4012 - NonOrganic ⁽⁸⁾	43 / 0.376	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / 0.376	
1.1.6) ECP 4039 - NonOrganic ⁽⁹⁾	37 / 3.499	- / -	16 / 1.440	14 / 1.295	- / -	14 / 1.295	15 / 1.383	4 / 0.394	- / -	- / -	- / -	86 / 8.011	
1.1.7) GPS Antenna System-1 (GAS-1) - NonOrganic	46 / 3.513	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 3.513	
1.1.8) ECP 4046 AVC/DALS - NonOrganic ⁽¹⁰⁾	- / -	9 / 2.693	3 / 0.840	10 / 2.800	- / -	10 / 2.800	13 / 3.640	14 / 3.920	19 / 5.700	3 / 0.840	5 / 1.500	76 / 21.933	
1.1.9) Integrated Mechanical Diagnostics Systems (IMDS) - NonOrganic	102 / 9.616	9 / 1.541	9 / 1.592	17 / 2.975	- / -	17 / 2.975	17 / 3.145	12 / 2.280	3 / 0.540	- / -	- / -	169 / 21.689	
1.1.10) Data Link A Kit - Organic	- / -	4 / 0.514	14 / 3.514	34 / 10.642	- / -	34 / 10.642	37 / 11.655	40 / 12.720	38 / 12.198	38 / 12.274	15 / 4.875	220 / 68.392	
1.1.11) FFW - NonOrganic ⁽¹¹⁾	69 / 1.285	60 / 0.614	8 / 0.182	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	137 / 2.081	
1.1.12) ECP 4057 Lower Anti-Collision Fix - Organic	- / -	- / -	- / -	60 / 0.180	- / -	60 / 0.180	60 / 0.182	60 / 0.184	60 / 0.196	21 / 0.092	- / -	261 / 0.834	
Subtotal: Recurring	- / 40.943	- / 5.362	- / 9.108	- / 19.163	- / -	- / 19.163	- / 20.005	- / 19.498	- / 18.634	- / 13.206	- / 6.375	- / 152.294	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 28.465	- / -	- / -	- / 0.300	- / -	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / 28.765	
Subtotal: Non-Recurring	- / 28.465	- / -	- / -	- / 0.300	- / -	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / 28.765	
B Kits													
Recurring													
2.1.1) FFW (B Kits)/RME - Organic	35 / 8.477	4 / 2.263	23 / 12.305	32 / 8.110	- / -	32 / 8.110	38 / 6.964	34 / 7.592	13 / 3.357	7 / 4.165	80 / 48.000	266 / 101.233	
Subtotal: Recurring	- / 8.477	- / 2.263	- / 12.305	- / 8.110	- / -	- / 8.110	- / 6.964	- / 7.592	- / 3.357	- / 4.165	- / 48.000	- / 101.233	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / -	- / 1.852	- / -	- / -	- / -	- / -	- / -	- / 1.156	- / -	- / -	- / -	- / 3.008	
Subtotal: Non-Recurring	- / 0.000	- / 1.852	- / -	- / -	- / -	- / -	- / -	- / 1.156	- / -	- / -	- / -	- / 3.008	
Subtotal: 009-07 MH-60S WARFIGHTER	449 / 77.885	86 / 9.477	82 / 21.413	173 / 27.573	- / -	173 / 27.573	180 / 26.969	164 / 28.246	133 / 21.991	69 / 17.371	100 / 54.375	1,436 / 285.300	
Subtotal: Procurement, All Modification Items	- / 77.885	- / 9.477	- / 21.413	- / 27.573	- / -	- / 27.573	- / 26.969	- / 28.246	- / 21.991	- / 17.371	- / 54.375	- / 285.300	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 0.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.040
3.3) Training Equipment ⁽¹²⁾	- / 3.078	- / -	- / 1.188	- / 1.584	- / -	- / 1.584	- / 0.586	- / -	- / -	- / -	- / -	- / 6.436
3.4) Support Equipment ⁽¹³⁾	- / 0.452	- / -	- / -	- / 0.364	- / -	- / 0.364	- / 0.321	- / -	- / -	- / -	- / -	- / 1.137
3.5) ILS ⁽¹⁴⁾	- / 0.878	- / -	- / 0.440	- / 0.695	- / -	- / 0.695	- / 1.687	- / 2.057	- / 1.622	- / 1.281	- / 0.590	- / 9.250
3.6) Other Support ⁽¹⁵⁾	- / 5.536	- / 1.205	- / 3.438	- / 6.911	- / -	- / 6.911	- / 7.697	- / 8.371	- / 7.091	- / 5.954	- / 8.156	- / 54.359
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 9.984	- / 1.205	- / 5.066	- / 9.554	- / -	- / 9.554	- / 10.291	- / 10.428	- / 8.713	- / 7.235	- / 8.746	- / 71.222
Installation												
Modification Item 1 of 1: 009-07 MH-60S WARFIGHTER	- / 20.697	- / 7.693	- / 3.918	- / 8.205	- / -	- / 8.205	- / 5.444	- / 5.512	- / 5.497	- / 0.392	- / 0.538	- / 57.896
Subtotal: Installation	- / 20.697	- / 7.693	- / 3.918	- / 8.205	- / -	- / 8.205	- / 5.444	- / 5.512	- / 5.497	- / 0.392	- / 0.538	- / 57.896
Total												
Total Cost (Procurement + Support + Installation)	108.566	18.375	30.397	45.332	-	45.332	42.704	44.186	36.201	24.998	63.659	414.418

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: ECP 4015--AMCOM				Manufacturer Location: >North Carolina			
Administrative Leadtime (<i>in Months</i>): 0				Production Leadtime (<i>in Months</i>): 0			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: ECP 4034 Full -- Sikorsky Aircraft Corporation - TH-3D Structural Mod				Manufacturer Location: >Stratford, CT			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 8			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Jan 2014	Nov 2014				
Delivery Dates		Sep 2014	Jul 2015				
Manufacturer Name: ECP 4034 Partial -- Sikorsky Aircraft Corporation - TH-3D Structural Mod				Manufacturer Location: >Stratford, CT			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 8			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Jan 2014					
Delivery Dates		Sep 2014					
Manufacturer Name: ECP 4012 -- FRCMA/FRCWSW				Manufacturer Location: >Norfolk, VA/San Diego, CA			
Administrative Leadtime (<i>in Months</i>): 0				Production Leadtime (<i>in Months</i>): 0			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: ECP 4039 -- Sikorsky Aircraft Corporation - TH-3D Structural Mod				Manufacturer Location: >Stratford, CT			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 18			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Feb 2014	Feb 2015	Feb 2016	Feb 2017		
Delivery Dates		Aug 2015	Aug 2016	Aug 2017	Aug 2018		
Manufacturer Name: GPS/GAS-1 -- AMCOM				Manufacturer Location: >North Carolina			
Administrative Leadtime (<i>in Months</i>): 0				Production Leadtime (<i>in Months</i>): 0			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Delivery Dates												
Manufacturer Name: ECP 4046 -- FRCMA/FRCSW					Manufacturer Location: >Norfolk, VA/San Diego, CA							
Administrative Leadtime (in Months): 1					Production Leadtime (in Months): 17							
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	May 2013	Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018					
Delivery Dates	Sep 2014	Apr 2015	Apr 2016	Apr 2017	Apr 2018	Apr 2019	Apr 2020					
Manufacturer Name: IMDS -- CECOM					Manufacturer Location: >New MFG - Loc							
Administrative Leadtime (in Months): 2					Production Leadtime (in Months): 12							
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017						
Delivery Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018						
Manufacturer Name: FFW--CECOM					Manufacturer Location: >New MFG - Loc							
Administrative Leadtime (in Months): 8					Production Leadtime (in Months): 4							
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Oct 2013	Jun 2014										
Delivery Dates	Feb 2014	Oct 2014										
Manufacturer Name: FFW Targeting/HDTS--CECOM					Manufacturer Location: >New MFG - Loc							
Administrative Leadtime (in Months): 3					Production Leadtime (in Months): 3							
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019					
Delivery Dates			Apr 2015	Apr 2016	Apr 2017	Apr 2018	Apr 2019					
Installation Information												
Method of Implementation: Contractor Field Mod Team/Fleet Readiness Center (FRC) : Installation Name: ECP 4015 (H60-050) Block												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 9.138	4 / 0.842	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 9.980
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team/Fleet Readiness Center (FRC) : Installation Name: ECP 4015 (H60-050) Block

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	28 / 9.138	4 / 0.842	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 9.980

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
Out	28	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32

Method of Implementation: Contractor Field Mod Team : Installation Name: ECP 4034 Block 2B/Block 3B Full P3I

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 1.152	16 / 1.085	14 / 0.994	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 3.231
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	8 / 0.640	- / -	8 / 0.640	- / -	- / -	- / -	- / -	- / -	8 / 0.640
FY 2015	- / -	- / -	- / -	6 / 0.480	- / -	6 / 0.480	- / -	- / -	- / -	- / -	- / -	6 / 0.480
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	16 / 1.152	16 / 1.085	14 / 0.994	14 / 1.120	- / -	14 / 1.120	- / -	- / -	- / -	- / -	- / -	60 / 4.351

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy																			Date: March 2014													
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																																
Modification Item MDAP/MAIS Code:																																
Installation Information																																
Method of Implementation: Contractor Field Mod Team : Installation Name: ECP 4034 Block 2B/Block 3B Full P3I																																
Installation Schedule																																
		PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
			Q1	Q2	Q3	Q4	Q1	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	4	4	4	4	4	4	4	2	4	4	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60
Out		15	1	4	4	4	4	4	4	4	5	4	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60
Method of Implementation: Contractor Field Mod Team : Installation Name: ECP 4034 Block 3B Partial P3I																																
Installation Cost							Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total			
							Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)	
Prior Years							22 / 1.172		8 / 0.094		6 / 0.095		9 / 0.158		- / 0.000		9 / 0.158		- / -		- / -		- / -		- / -		- / -		- / -		45 / 1.519	
FY 2013							- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	
FY 2014							- / -		- / -		- / -		1 / 0.018		- / -		1 / 0.018		- / -		- / -		- / -		- / -		- / -		1 / 0.018			
FY 2015							- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -			
FY 2016							- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -			
FY 2017							- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -			
FY 2018							- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -			
FY 2019							- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -			
To Complete							- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -			
Total							22 / 1.172		8 / 0.094		6 / 0.095		10 / 0.176		- / -		10 / 0.176		- / -		- / -		- / -		- / -		- / -		- / -		46 / 1.537	
Installation Schedule																																
		PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In		22	2	2	2	2	3	3	-	-	2	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	
Out		22	2	2	2	2	3	3	-	-	2	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	
Method of Implementation: Depot Field Mod Team : Installation Name: ECP 4012																																
Installation Cost							Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total			
							Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)	
Prior Years							58 / 1.926		5 / 0.103		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		63 / 2.029			

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot Field Mod Team : Installation Name: ECP 4012

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	58 / 1.926	5 / 0.103	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	63 / 2.029

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	58	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63
Out	58	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63

Method of Implementation: Contractor Field Mod Team : Installation Name: ECP 4039

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 3.771	12 / 3.485	- / -	13 / 3.700	- / 0.000	13 / 3.700	- / -	- / -	- / -	- / -	- / -	37 / 10.956
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	3 / 0.849	- / -	3 / 0.849	13 / 3.679	- / -	- / -	- / -	- / -	16 / 4.528
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	12 / 3.771	12 / 3.485	- / -	16 / 4.549	- / -	16 / 4.549	15 / 4.245	15 / 4.245	16 / 4.528	- / -	- / -	86 / 24.823

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: ECP 4039

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	4	4	-	-	-	-	4	4	4	4	4	4	5	2	4	4	4	3	4	4	4	4	-	-	-	-	-	86
Out	9	3	2	2	4	4	-	-	-	1	4	4	4	4	4	4	4	4	4	4	2	3	4	4	4	4	-	-	-	-	86

Method of Implementation: Contractor Field Mod Team : Installation Name: GPS Antenna System-1 (GAS-1)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	45 / 0.873	1 / 0.020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 0.893
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	45 / 0.873	1 / 0.020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 0.893

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	45	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46		
Out	45	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46		

Method of Implementation: Contractor Field Mod Team : Installation Name: ECP 4046 AVC/DALS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2015 Navy		Date: March 2014
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

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: ECP 4046 AVC/DALS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	9 / 1.593	- / -	9 / 1.593	- / -	- / -	- / -	- / -	- / -	9 / 1.593
FY 2014	- / -	- / -	- / -	3 / 0.042	- / -	3 / 0.042	- / -	- / -	- / -	- / -	- / -	3 / 0.042
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.145	- / -	- / -	- / -	- / -	10 / 0.145
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.196	- / -	- / -	- / -	13 / 0.196
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.201	- / -	- / -	14 / 0.201
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.197	7 / 0.115	19 / 0.312
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.148	3 / 0.148
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.275	5 / 0.275
Total	- / -	- / -	- / -	12 / 1.635	- / -	12 / 1.635	10 / 0.145	13 / 0.196	14 / 0.201	12 / 0.197	15 / 0.538	76 / 2.912

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	1	-	2	4	4	1	4	4	4	3	4	4	3	3	3	3	3	15	76
Out	-	-	-	-	-	-	-	-	-	3	4	4	1	-	1	4	4	1	3	4	4	3	4	4	4	3	3	3	3	16	76

Method of Implementation: Depot Field Mod Team : Installation Name: Integrated Mechanical Diagnostics Systems (IMDS)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	43 / 2.635	26 / 1.456	33 / 1.585	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	102 / 5.676
FY 2013	- / -	- / -	9 / 0.540	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.540
FY 2014	- / -	- / -	- / -	9 / 0.630	- / -	9 / 0.630	- / -	- / -	- / -	- / -	- / -	9 / 0.630
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	43 / 2.635	26 / 1.456	42 / 2.125	9 / 0.630	- / -	9 / 0.630	17 / 1.054	17 / 1.071	12 / 0.768	3 / 0.195	- / -	169 / 9.934

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Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
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																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Depot Field Mod Team : Installation Name: Integrated Mechanical Diagnostics Systems (IMDS)																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	43	6	7	6	7	10	11	10	11	-	3	3	3	4	4	5	4	4	4	5	4	3	3	3	3	3	-	-	-	-	169
Out	43	6	7	6	7	10	11	10	11	-	3	3	3	4	4	5	4	4	4	5	4	3	3	3	3	3	-	-	-	-	169
Method of Implementation: Contractor Field Mod Team : Installation Name: FFW																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 / 0.030		52 / 0.608		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		69 / 0.638					
FY 2013		- / -		- / -		60 / 0.704		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		60 / 0.704					
FY 2014		- / -		- / -		- / -		8 / 0.095		- / -		8 / 0.095		- / -		- / -		- / -		- / -		- / -		- / -		8 / 0.095					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		17 / 0.030		52 / 0.608		60 / 0.704		8 / 0.095		- / -		8 / 0.095		- / -		- / -		- / -		- / -		- / -		- / -		137 / 1.437					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	17	13	13	13	13	15	15	15	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	137
Out	17	13	13	13	13	15	15	15	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	137
Method of Implementation (Organic): Organic - Data Link A Kit																				Installation Quantity: 220											
Method of Implementation (Organic): Organic - ECP 4057 Lower Anti-Collision Fix																				Installation Quantity: 261											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - FFW (B Kits)/RME		Installation Quantity: 266

Footnotes:

- (6) ECP 4015 (H60-50) Block 3A: Six prior year kits available for installs from missed production installs.
- (7) ECP 4034 Block 3B Partial P3I: Installs will be complete in FY2015. Installs were delayed due to aircraft availability.
- (8) ECP 4012: 20 kits available for install from vendor.
- (9) ECP 4039: FY2014 Installations costs for ECP4039 reflects \$3.900M reduction enacted in the FY2014 Appropriations Act.
- (10) ECP 4046: Lead time will reduce as increased kits are procured.
- (11) 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. FFW installs were originally planned as O-Level; however, complexity requires Depot/contractor installation.
- (12) Training Equipment (3.3) in FY2015 is required to support FAC/FIAC/FFW capabilities to include guns/rockets and Data Link Modifications.
- (13) Support Equipment (3.4) in FY2015 is required to support FAC/FIAC/FFW capabilities to include guns/rockets and Data Link modifications.
- (14) ILS (3.5) is required to support fielding of the modifacaiton within this OISP. Increase in FY2015 is to support FAC/FIAC/FFW to include guns/rockets and Data Link.
- (15) Other Support (3.6) is required for acquisition, configuration/documentation management, scheduling of aircraft and installation activities, engineering, and test support required to incorporate the modification on the MH-60S aircraft. FY2014 reflects \$3.000M Congressional reduction enacted in the FY2014 Appropriations Act. FY2015 increase is required to support the fielding of FAC/FIAC/FFW and Data Link.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	11.714	20.736	2.601	0.341	-	0.341	-	-	-	-	-	35.392
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	11.714	20.736	2.601	0.341	-	0.341	-	-	-	-	-	35.392
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	11.714	20.736	2.601	0.341	-	0.341	-	-	-	-	-	35.392
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date.												
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 HH-60H primarily flies 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 35 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. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: JUSTIFICATION: FY2013 increased due to Congressional Add funding for special warfare support helicopter capability upgrade received in P.L. 113-6. Other Support cost funds in FY2015 are required to support installations.												

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) Ballistic Protection System (BPS) - Organic	12 / 0.899	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.899	
1.1.3) Degraded Visual Environments (DVE) Kit - OCO - NonOrganic	16 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.000	
1.1.4) DVE Kit - NonOrganic	- / -	13 / 2.444	3 / 0.581	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 3.025	
1.1.5) Archived kits and Installations - Organic	104 / 4.423	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	104 / 4.423	
Subtotal: Recurring	- / 6.322	- / 5.359	- / 0.581	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.262	
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	- / 4.073	- / 2.295	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.368	
B Kits													
Recurring													
2.1.1) Special War Upgrades--Congressional: Window Systems - NonOrganic ⁽¹⁶⁾	- / -	35 / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 1.300	
2.1.2) Special War Upgrades--Congressional - Organic	- / -	159 / 7.928	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	159 / 7.928	
Subtotal: Recurring	- / 0.000	- / 9.228	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.228	
Subtotal: 023-08 H-60 OVERLAND MISSIONS	132 / 10.395	237 / 16.882	3 / 0.581	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	372 / 27.858	
Subtotal: Procurement, All Modification Items	- / 10.395	- / 16.882	- / 0.581	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 27.858	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.304	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.304	
3.3) Training Equipment	- / 1.000	- / 0.092	- / 0.688	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.780	
3.4) Support Equipment	1 / 0.015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.015	
3.5) ILS	- / -	- / -	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	
3.6) Other Support ⁽¹⁷⁾	- / -	- / -	- / 0.319	- / 0.153	- / -	- / 0.153	- / -	- / -	- / -	- / -	- / -	- / 0.472	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 1.319	- / 0.092	- / 1.207	- / 0.153	- / -	- / 0.153	- / -	- / -	- / -	- / -	- / -	- / 2.771	
Installation													
Modification Item 1 of 1: 023-08 H-60 OVERLAND MISSIONS	- / 0.000	- / 3.762	- / 0.813	- / 0.188	- / -	- / 0.188	- / -	- / -	- / -	- / -	- / -	- / 4.763	
Subtotal: Installation	- / 0.000	- / 3.762	- / 0.813	- / 0.188	- / -	- / 0.188	- / -	- / -	- / -	- / -	- / -	- / 4.763	
Total													
Total Cost (Procurement + Support + Installation)	11.714	20.736	2.601	0.341	-	0.341	-	-	-	-	-	35.392	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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																															
Modification Item MDAP/MAIS Code:																															
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 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Jan 2013				Jan 2014																									
Delivery Dates		Jan 2014				Jan 2015																									
Manufacturer Name: Special War Upgrades--Cong. ⁽¹⁸⁾															Manufacturer Location: >New MFG - Loc																
Administrative Leadtime (in Months): 8															Production Leadtime (in Months): 4																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Jun 2013																													
Delivery Dates		Oct 2013																													
Installation Information																															
Method of Implementation: Contractor Field Mod Tea m : Installation Name: Special War Upgrades - Congressional																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013		- / -	- / 2.762	28 / -	37 / -	- / -	37 / -	- / -	- / -	- / -	- / -	- / -	65 / 2.762																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / 2.762	28 / -	37 / -	- / -	37 / -	- / -	- / -	- / -	- / -	- / -	65 / 2.762																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	-	-	-	-	-	5	8	8	7	9	10	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65
Out	-	-	-	-	-	5	8	8	7	8	10	10	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: HH-60H DVE

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.000
FY 2013	- / -	- / -	13 / 0.813	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.813
FY 2014	- / -	- / -	- / -	3 / 0.188	- / -	3 / 0.188	- / -	- / -	- / -	- / -	- / -	3 / 0.188
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	16 / 1.000	13 / 0.813	3 / 0.188	- / -	3 / 0.188	- / -	- / -	- / -	- / -	- / -	32 / 2.001

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	4	-	5	5	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
Out	-	-	6	6	4	-	5	5	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32

Method of Implementation (Organic): Organic - Ballistic Protection System (BPS) **Installation Quantity:** 12

Method of Implementation (Organic): Not Installed - Archived kits and Installations **Installation Quantity:** 104

Method of Implementation (Organic): Organic - Special War Upgrades--Congressional **Installation Quantity:** 159

Method of Implementation (Organic): Not Installed - Support Equipment **Installation Quantity:** 1

Footnotes:

(16) FY2013 Congressional Add for Special War Upgrades funds these installations.

(17) Other support (3.6) in FY2015 is required to support installations.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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
(18) Special War Upgrades--Congressional		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 6 / 009-09 MH-60R/S CREW WORKLOAD - OPERATOR SYSTEM INTERFACE

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	46.371	2.392	-	-	-	-	-	-	-	-	7.313	56.076
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	46.371	2.392	-	-	-	-	-	-	-	-	7.313	56.076
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	46.371	2.392	-	-	-	-	-	-	-	-	7.313	56.076
<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>	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

DESCRIPTION/JUSTIFICATION: This effort reduces crew Operator System Interface (OSI) workload issues for MH-60R and MH-60S aircraft by replacing operator keysets with Control Display Units (CDUs) and Pointing Devices (PDs) in addition to upgrading OSI software to a point-and-click interface. The OSI kit includes a CDU, PD, and Interface Cabling Kit. This effort corrects deficiencies identified during the Operational Evaluation of the MH-60R. MH-60R requires three (3) OSI kits per aircraft and MH-60S requires two (2) OSI kits per aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MH-60S aircraft completed Operational Evaluation in March 2002 and Milestone III in August 2002. MH-60R completed Operational Evaluation in September 2005 and Milestone III in March 2006. Non-Recurring Engineering for production incorporation of the OSI was funded in FY2007, with production cut-in in LOT 14 for MH-60S and LOT 9 for MH-60R.

METHOD OF IMPLEMENTATION: OSI is an "O" Level Install.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 6 / 009-09 MH-60R/S CREW WORKLOAD - OPERATOR SYSTEM INTERFACE					
Models of Systems Affected: MH-60R, MH-60S				Modification Type: OPERATIONAL ENHANCEMENT				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: 009-09 MH-60R/S CREW WORKLOAD - OPERATOR SYSTEM INTERFACE													
A Kits													
Recurring													
1.1.1) MH-60R - Organic	344 / 19.548	16 / 0.924	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 1.756	384 / 22.228	
1.1.2) MH-60S - Organic	322 / 16.911	20 / 1.140	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 5.557	418 / 23.608	
Subtotal: Recurring	- / 36.459	- / 2.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.313	- / 45.836	
Subtotal: 009-09 MH-60R/S CREW WORKLOAD - OPERATOR SYSTEM INTERFACE	666 / 36.459	36 / 2.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 7.313	802 / 45.836	
Subtotal: Procurement, All Modification Items	- / 36.459	- / 2.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.313	- / 45.836	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	88 / 4.278	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	88 / 4.278	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support	- / 3.048	- / 0.328	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.376	
3.7) Interim Contractor Support	- / 2.586	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.586	
Subtotal: Support	- / 9.912	- / 0.328	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.240	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	46.371	2.392	-	-	-	-	-	-	-	-	7.313	56.076	

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Exhibit P-3a, Individual Modification: PB 2015 Navy				Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0530 / SH-60 Series		Modification Number / Title: 6 / 009-09 MH-60R/S CREW WORKLOAD - OPERATOR SYSTEM INTERFACE			
Modification Item 1 of 1: 009-09 MH-60R/S CREW WORKLOAD - OPERATOR SYSTEM INTERFACE							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - MH-60R					Installation Quantity: 384		
Method of Implementation (Organic): Organic - MH-60S					Installation Quantity: 418		
Method of Implementation (Organic): Not Installed - Training Equipment					Installation Quantity: 88		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 7 / 005-12 AUTOMATIC RADAR PERISCOPE DETECTION DISCRIMINATION

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	13.757	29.886	-	-	-	-	-	-	-	-	-	43.643
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	13.757	29.886	-	-	-	-	-	-	-	-	-	43.643
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	13.757	29.886	-	-	-	-	-	-	-	-	-	43.643
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

DESCRIPTION/JUSTIFICATION: This line item funds modifications to the MH-60R series aircraft. The modification upgrades the AN/APS-147 Multi-Mode Radar (MMR) to incorporate Automatic Radar Periscope Detection and Discriminator (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. Two hundred forty-five MH-60R aircraft will receive ARPDD capability, 145 will be retrofitted. The AN/APS-147 MMR consists of the Signal Data Processor/ARPDD Enhanced Processor, Receiver Transmitter, Antenna Pedestal, Antenna Array, and Interrogator Friend or Foe Receiver Transmitter (IFF R/T).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: ARPDD capability was approved with Capabilities Production Document 260-05 dated 28 November 2005. Critical Design Review was completed April 2009. Contractor Test was completed in December 2010, Developmental Test was completed in December 2011, and Operational Test was started in July 2012.

NOTE: To facilitate transition of the MH-60R ending production and entering sustainment/obsolescence phase of acquisition life cycle, Operational Safety Improvement Program (OSIP) 005-12 ARPDD has been incorporated into 001-06 MH-60R Warfighter starting in FY2014.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 7 / 005-12 AUTOMATIC RADAR PERISCOPE DETECTION DISCRIMINATION					
Models of Systems Affected: MH-60R				Modification Type: OPERATIONAL ENHANCEMENT				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: 005-12 AUTOMATIC RADAR PERISCOPE DETECTION DISCRIMINATION													
A Kits													
Recurring													
1.1.1) ARPDD Kit - Organic	10 / 0.199	30 / 0.247	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.446	
Subtotal: Recurring	- / 0.199	- / 0.247	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.446	
B Kits													
Recurring													
2.1.1) ARPDD Kit - Organic	6 / 11.741	16 / 28.580	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 40.321	
Subtotal: Recurring	- / 11.741	- / 28.580	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 40.321	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 1.817	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.817	
Subtotal: Non-Recurring	- / 1.817	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.817	
Subtotal: 005-12 AUTOMATIC RADAR PERISCOPE DETECTION DISCRIMINATION	16 / 13.757	46 / 28.827	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	62 / 42.584	
Subtotal: Procurement, All Modification Items	- / 13.757	- / 28.827	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 42.584	
Support (All Modification Items)													
3.1) ARPDD Kit ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) Other Support	- / -	- / 1.059	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.059	
3.6) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / 1.059	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.059	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	13.757	29.886	-	-	-	-	-	-	-	-	-	43.643	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0530 / SH-60 Series			Modification Number / Title: 7 / 005-12 AUTOMATIC RADAR PERISCOPE DETECTION DISCRIMINATION	
Modification Item 1 of 1: 005-12 AUTOMATIC RADAR PERISCOPE DETECTION DISCRIMINATION							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: ARPDD--Lockheed Martin Mission Systems					Manufacturer Location: >Owego, NY		
Administrative Leadtime (<i>in Months</i>): 6					Production Leadtime (<i>in Months</i>): 24		
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Mar 2013						
Delivery Dates	Mar 2015						
Installation Information							
Method of Implementation (Organic): Organic - ARPDD Kit					Installation Quantity: 40		
Method of Implementation (Organic): Organic - ARPDD Kit					Installation Quantity: 22		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 8 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	5.936	8.221	19.757	11.982	-	11.982	12.000	12.513	12.201	8.705	53.600	144.915
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	5.936	8.221	19.757	11.982	-	11.982	12.000	12.513	12.201	8.705	53.600	144.915
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5.936	8.221	19.757	11.982	-	11.982	12.000	12.513	12.201	8.705	53.600	144.915
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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. 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 propensity for failure of wire insulation is primarily due to age of the polymer that makes up the wire insulation. Other factors such as vibration, moisture, temperature, installation practices, and routing in the aircraft contribute to the aging process. The bulk of wire troubleshooting on aircraft electrical circuits is performed by making pin-to-pin measurements using a hand-held multimeter or manual breakout boxes. It is a slow process, prone to human error, and cannot be used to detect wire faults prior to occurrence. Thus wire maintenance today is purely reactive. 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. 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. 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 and program sustainment support.

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 SH-60B/HH-60H along with the necessary support equipment required to identify the breaches and integrity of the major airframe harnesses. Those harnesses are being revitalized and

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 8 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT
remanufactured with the latest technologies available today and will be installed at the next Periodic Maintenance Interval (PMI) for selected aircraft scheduled to remain in the active inventory. The necessary Aircraft Wiring Analyzer test sets and associated Operational Test Program Sets for both platforms and PMI sites are being developed on a similar schedule to be fielded concurrently with the install schedule. For 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. This OSIP decreases by \$7.775M (39%) from FY2014 to FY2015. NOTES: (1) There are large fluctuations in Support elements since several Type/Model/Series (T/M/S) of aircraft (SH-60B and HH-60H) 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 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 8 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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		12 / 2.321	5 / 1.710	3 / 0.571	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 4.602
1.1.2) HH-60H Wiring - NonOrganic		- / -	10 / 1.900	30 / 3.244	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 5.144
1.1.3) Obsolescence Components Kits - Organic		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 30.000	35 / 30.000
1.1.4) ACRT - Organic		- / -	- / -	- / -	35 / 0.070	- / -	35 / 0.070	- / -	- / -	- / -	- / -	- / -	35 / 0.070
1.1.5) CAP HH-60H - Organic		- / -	- / -	35 / 0.248	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 0.248
1.1.6) CAP SH-60B - Organic		- / -	- / -	47 / 0.202	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 0.202
Subtotal: Recurring		- / 2.321	- / 3.610	- / 4.265	- / 0.070	- / -	- / 0.070	- / -	- / -	- / -	- / -	- / 30.000	- / 40.266
Non-Recurring													
1.2.2) Obsolescence Components Kits - Organic		- / -	- / -	- / 4.000	- / 1.510	- / -	- / 1.510	- / 1.000	- / -	- / -	- / -	- / 23.600	- / 30.110
1.2.3) SH-60B Installation Kits N/R - Organic		- / 0.804	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.804
1.2.4) HH-60H Installation Kits N/R - Organic		- / -	- / 1.039	- / 0.694	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.733
Subtotal: Non-Recurring		- / 0.804	- / 1.039	- / 4.694	- / 1.510	- / -	- / 1.510	- / 1.000	- / -	- / -	- / -	- / 23.600	- / 32.647
B Kits													
Non-Recurring													
2.2.1) Avionics Replacement B Kits - Organic		- / -	- / -	- / -	3 / 1.708	- / -	3 / 1.708	4 / 2.074	- / -	- / -	- / -	- / -	7 / 3.782
2.2.3) Helo Trak Net NRE - Organic		- / -	- / -	- / 1.207	- / 0.454	- / -	- / 0.454	- / 0.463	- / -	- / -	- / -	- / -	- / 2.124
2.2.4) ACRT NRE - Organic		- / -	- / -	- / 1.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.275
2.2.5) CAP NRE - Organic		- / -	- / -	- / 0.774	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.774
2.2.6) MH-60R/S Obsolescence NRE Phase 1 - Organic		- / -	- / -	- / 2.200	- / 3.900	- / -	- / 3.900	- / 5.700	- / 9.700	- / 8.500	- / 3.640	- / -	- / 33.640
2.2.7) MH-60R/S Obsolescence NRE Phase 2 - Organic		- / -	- / -	- / -	- / 0.500	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / 0.500
Subtotal: Non-Recurring		- / 0.000	- / -	- / 5.456	- / 6.562	- / -	- / 6.562	- / 8.237	- / 9.700	- / 8.500	- / 3.640	- / -	- / 42.095
Subtotal: 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT		12 / 3.125	15 / 4.649	115 / 14.415	38 / 8.142	- / -	38 / 8.142	4 / 9.237	- / 9.700	- / 8.500	- / 3.640	35 / 53.600	219 / 115.008
Subtotal: Procurement, All Modification Items		- / 3.125	- / 4.649	- / 14.415	- / 8.142	- / -	- / 8.142	- / 9.237	- / 9.700	- / 8.500	- / 3.640	- / 53.600	- / 115.008
Support (All Modification Items)													
3.1) Engineering Change Orders		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.310	- / 1.153	- / 2.783	- / -	- / 4.246
3.2) Data		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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LI 0530 - SH-60 Series
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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 8 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT				
Modification Item 1 of 1: 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: SH-60B Wiring -- Contractor Field Mod Team							Manufacturer Location: >New MFG - Loc					
Administrative Leadtime (in Months): 5							Production Leadtime (in Months): 5					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Mar 2013	Mar 2014										
Delivery Dates	Aug 2013	Aug 2014										
Manufacturer Name: HH-60H Wiring -- Contractor Field Mod Team							Manufacturer Location: >New MFG - Loc					
Administrative Leadtime (in Months): 5							Production Leadtime (in Months): 5					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Mar 2013	Mar 2014	Mar 2015									
Delivery Dates	Aug 2013	Aug 2014	Aug 2015									
Installation Information												
Method of Implementation: Contractor Field Mod Team : Installation Name: SH-60B Wiring												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.540	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.540
FY 2013	- / -	- / -	5 / 0.405	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.405
FY 2014	- / -	- / -	- / -	3 / 0.135	- / -	3 / 0.135	- / -	- / -	- / -	- / -	- / -	3 / 0.135
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	12 / 0.540	5 / 0.405	3 / 0.135	- / -	3 / 0.135	- / -	- / -	- / -	- / -	- / -	20 / 1.080

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 8 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT

Modification Item 1 of 1: 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: SH-60B Wiring

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
Out	-	4	4	4	-	2	2	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20

Method of Implementation: Contractor Field Mod Team : Installation Name: HH-60H Wiring

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	10 / 0.450	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.450
FY 2014	- / -	- / -	- / -	30 / 1.244	- / -	30 / 1.244	- / -	- / -	- / -	- / -	- / -	30 / 1.244
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	10 / 0.450	30 / 1.244	- / -	30 / 1.244	- / -	- / -	- / -	- / -	- / -	40 / 1.694

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	
Out	-	-	-	-	-	3	3	4	-	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	

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 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 8 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT
Modification Item 1 of 1: 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - CAP HH-60H		Installation Quantity: 35
Method of Implementation (Organic): Organic - CAP SH-60B		Installation Quantity: 47
Method of Implementation (Organic): Organic - Avionics Replacement B Kits		Installation Quantity: 7

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 9 / Inactive OSIPs			

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	232.414	-	-	-	-	-	-	-	-	-	-	232.414
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	232.414	-	-	-	-	-	-	-	-	-	-	232.414
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	232.414	-	-	-	-	-	-	-	-	-	-	232.414
(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)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 9 / Inactive OSIPs					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 232.414	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 232.414	
Subtotal: Recurring	- / 232.414	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 232.414	
Subtotal: Inactive OSIPs	- / 232.414	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 232.414	
Subtotal: Procurement, All Modification Items	- / 232.414	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 232.414	
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)	232.414	-	-	-	-	-	-	-	-	-	-	232.414	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0530 / SH-60 Series			Modification Number / Title: 9 / Inactive OSIPs	
Modification Item 1 of 1: Inactive OSIPs							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy	Date: March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	294.084	6.208	41.706	45.033	-	45.033	37.616	34.087	29.690	30.385	293.038	811.847
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	294.084	6.208	41.706	45.033	-	45.033	37.616	34.087	29.690	30.385	293.038	811.847
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	294.084	6.208	41.706	45.033	-	45.033	37.616	34.087	29.690	30.385	293.038	811.847
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 2015 is to eliminate safety hazards, improve survivability, fulfill operational requirements, remedy obsolescence, and maintain significant mission capability and joint interoperable data link circuit capable of transmitting, receiving, and display digital information and video which includes Full Motion Video (FMV). 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.

Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)	P-3a		-	-	0.953	-	-	0.442	-	-	11.652	-	-	23.212	-	-	-	-	-	23.212

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014						
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 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12)	P-3a		-	-	8.143	-	-	5.725	-	-	24.765	-	-	14.182	-	-	-	-	-	14.182
P-3a - 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)	P-3a		-	-	0.000	-	-	-	-	-	5.289	-	-	7.639	-	-	-	-	-	7.639
P-3a - 4 / H-1N SAFETY UPGRADES (OSIP 018-98)	P-3a		-	-	31.741	-	-	0.041	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 5 / INACTIVE OSIPS	P-3a		-	-	253.247	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	294.084	-	-	6.208	-	-	41.706	-	-	45.033	-	-	-	-	-	45.033
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)	P-3a		-	-	15.006	-	-	14.648	-	-	11.724	-	-	9.742	-	-	109.444	-	-	196.823
P-3a - 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12)	P-3a		-	-	16.447	-	-	15.624	-	-	13.953	-	-	12.596	-	-	88.534	-	-	199.969
P-3a - 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)	P-3a		-	-	6.163	-	-	3.815	-	-	4.013	-	-	8.047	-	-	229.861	-	-	264.827
P-3a - 4 / H-1N SAFETY UPGRADES (OSIP 018-98)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.782
P-3a - 5 / INACTIVE OSIPS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	253.247
Total Gross/Weapon System Cost			-	-	37.616	-	-	34.087	-	-	29.690	-	-	30.385	-	-	293.038	-	-	811.847
*For the P-3a, Title represents the Modification Number / Title.																				
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. The To Complete and Total columns are not properly reflected on the P40. The To Complete column should read \$427.839 vice \$293.038 and the Total column should read \$946.648 vice \$811.847.																				

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.953	0.442	11.652	23.212	-	23.212	15.006	14.648	11.724	9.742	109.444	196.823
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.953	0.442	11.652	23.212	-	23.212	15.006	14.648	11.724	9.742	109.444	196.823
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.953	0.442	11.652	23.212	-	23.212	15.006	14.648	11.724	9.742	109.444	196.823
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 tenets of Sea Power 21; specifically operational availability, enhanced capabilities, and interoperability. Systems 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.

Systems and changes requiring improvements in the OSIP are the mission computer, Cockpit Control System, Ultra High Frequency/Very High Frequency communication systems, Satellite Communications, Wiring Integration Remote Terminals, Wireless InterCommunications Systems (WICS), Flight Control Computer, Identification Friend or Foe system, Inertial Navigation System, Global Positioning System, radar altimeter, mass data storage, air data systems, aircraft displays, data recorders and data loaders (data and video recorder and loader, flight data recorder, maintenance data recorder, video recorders) interoperable video and digital data links data interoperability components data link circuit capable of transmitting, receiving, and displaying information and video, helmet mounted display systems, Blue Force Tracker, joint battle command system, Digital Map, Variable Message Format/Digital System Upgrade, collision avoidance systems, Ground Proximity Warning System, Terrain Awareness Warning System, Military Flight Operations Quality Assurance, Aircraft Survivability Equipment, system configuration set updates for avionics components and interfaces 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: FMV kit installation kits and equipment will be procured in 3Q FY 2014. Installs to begin 2Q FY 2015.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	3 / 0.300	5 / 0.500	12 / 1.200	24 / 2.400	- / -	120 / 12.000	164 / 16.400	
1.1.2) Full Motion Video (FMV) (UH-1Y/AH-1Z) - NonOrganic ⁽²⁾	- / -	- / -	12 / 1.320	34 / 3.740	- / -	34 / 3.740	18 / 1.980	18 / 1.980	- / -	24 / 2.640	58 / 6.380	164 / 18.040	
1.1.3) System Configuration Set Updates (UH-1Y/AH-1Z) - Organic	- / -	- / -	12 / 0.240	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.240	
1.1.4) Blue Force Tracker (UH-1Y/AH-1W/Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.864	24 / 1.008	313 / 23.256	349 / 25.128	
1.1.5) Wireless Internal Communication System (WICS) (UH-1Y) - Organic	- / -	- / -	- / -	3 / 0.041	- / -	3 / 0.041	18 / 0.243	12 / 0.162	12 / 0.162	30 / 0.276	85 / 1.292	160 / 2.176	
1.1.6) Mission Computer Trays - Organic	5 / 0.034	3 / 0.021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.055	
Subtotal: Recurring	- / 0.034	- / 0.021	- / 1.560	- / 4.081	- / -	- / 4.081	- / 2.723	- / 3.342	- / 3.426	- / 3.924	- / 42.928	- / 62.039	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / -	- / -	- / 1.833	- / 5.862	- / -	- / 5.862	- / 1.937	- / 1.950	- / 2.400	- / -	- / 0.650	- / 14.632	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 1.833	- / 5.862	- / -	- / 5.862	- / 1.937	- / 1.950	- / 2.400	- / -	- / 0.650	- / 14.632	
B Kits													
Recurring													
2.1.1) VMF Interoperability (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	3 / 0.300	- / -	3 / 0.300	5 / 0.500	12 / 1.200	24 / 2.400	- / -	120 / 12.000	164 / 16.400	
2.1.2) Full Motion Video (FMV) (UH-1Y/AH-1Z) - Organic	- / -	- / -	12 / 1.380	34 / 3.910	- / -	34 / 3.910	18 / 2.070	18 / 2.070	- / -	24 / 2.760	58 / 6.325	164 / 18.515	
2.1.3) Blue Force Tracker (UH-1Y/AH-1W/Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.444	24 / 0.888	313 / 8.312	349 / 9.644	
2.1.4) System Configuration Set Updates (UH-1Y/AH-1Z) - Organic ⁽³⁾	- / -	- / -	12 / 0.600	36 / 1.800	- / -	36 / 1.800	36 / 1.800	27 / 1.350	- / -	36 / 0.180	- / -	147 / 5.730	
2.1.5) Retrofit OTO Hardware (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 10.584	48 / 10.584	
2.1.6) Retrofit GEN II Mission Computers (UH-1Y/AH-1Z) - Organic	5 / 0.919	3 / 0.421	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.340	
2.1.7) Wireless Internal Communication System (WICS) (UH-1Y) - Organic	- / -	- / -	- / -	3 / 0.102	- / -	3 / 0.102	18 / 0.609	12 / 0.406	12 / 0.406	30 / 1.015	85 / 2.875	160 / 5.413	
Subtotal: Recurring	- / 0.919	- / 0.421	- / 1.980	- / 6.112	- / -	- / 6.112	- / 4.979	- / 5.026	- / 3.250	- / 4.843	- / 40.096	- / 67.626	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / -	- / -	- / 1.975	- / 1.723	- / -	- / 1.723	- / 1.603	- / 0.570	- / 0.154	- / -	- / 13.126	- / 19.151	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: Non-Recurring	- / 0.000	- / -	- / 1.975	- / 1.723	- / -	- / 1.723	- / 1.603	- / 0.570	- / 0.154	- / -	- / 13.126	- / 19.151
Subtotal: H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)	10 / 0.953	6 / 0.442	48 / 7.348	116 / 17.778	- / -	116 / 17.778	118 / 11.242	111 / 10.888	96 / 9.230	192 / 8.767	1,200 / 96.800	1,897 / 163.448
Subtotal: Procurement, All Modification Items	- / 0.953	- / 0.442	- / 7.348	- / 17.778	- / -	- / 17.778	- / 11.242	- / 10.888	- / 9.230	- / 8.767	- / 96.800	- / 163.448
Support (All Modification Items)												
3.1) Engineering Change Orders	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.048	- / 0.048
3.2) Data	- / -	- / -	- / 0.504	- / 0.230	- / -	- / 0.230	- / 0.222	- / 0.224	- / 0.226	- / 0.132	- / 0.148	- / 1.686
3.3) Training Equipment	- / -	- / -	- / 1.300	- / 0.561	- / -	- / 0.561	- / -	- / -	- / -	- / -	- / 2.000	- / 3.861
3.4) Support Equipment	- / -	- / -	- / 0.250	- / 0.500	- / -	- / 0.500	- / 0.505	- / 0.440	- / -	- / -	- / -	- / 1.695
3.5) ILS	- / -	- / -	- / 0.350	- / 0.357	- / -	- / 0.357	- / 0.364	- / 0.371	- / 0.378	- / 0.256	- / 1.344	- / 3.420
3.6) Other Support ⁽⁴⁾	- / -	- / -	- / 1.478	- / 1.496	- / -	- / 1.496	- / 1.503	- / 1.519	- / 1.530	- / 0.330	- / 5.448	- / 13.304
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / -	- / 3.882	- / 3.144	- / -	- / 3.144	- / 2.594	- / 2.554	- / 2.134	- / 0.718	- / 8.988	- / 24.014
Installation												
Modification Item 1 of 1: H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)	- / 0.000	- / -	- / 0.422	- / 2.290	- / -	- / 2.290	- / 1.170	- / 1.206	- / 0.360	- / 0.257	- / 3.656	- / 9.361
Subtotal: Installation	- / 0.000	- / -	- / 0.422	- / 2.290	- / -	- / 2.290	- / 1.170	- / 1.206	- / 0.360	- / 0.257	- / 3.656	- / 9.361
Total												
Total Cost (Procurement + Support + Installation)	0.953	0.442	11.652	23.212	-	23.212	15.006	14.648	11.724	9.742	109.444	196.823

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: TBD -VMF Interoperability							Manufacturer Location: >TBD					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 4					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Oct 2014	Oct 2015	Oct 2016	Oct 2017						
Delivery Dates			Jan 2015	Jan 2016	Jan 2017	Jan 2018						
Manufacturer Name: TBD - Full Motion Video							Manufacturer Location: >TBD					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 4					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Oct 2013	Oct 2014	Oct 2015	Oct 2016		Oct 2018					
Delivery Dates		Jan 2014	Jan 2015	Jan 2016	Jan 2017		Jan 2019					
Installation Information												
Method of Implementation: Contractor Field Mod Team : Installation Name: VMF Interoperability (UH-1Y/AH-1Z)												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	3 / 0.100	- / -	3 / 0.100	- / -	- / -	- / -	- / -	- / -	3 / 0.100
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.270	- / -	- / -	- / -	- / -	5 / 0.270
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.306	- / -	- / -	- / -	12 / 0.306
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.360	- / -	- / -	24 / 0.360
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	120 / 1.800	120 / 1.800
Total	- / -	- / -	- / -	3 / 0.100	- / -	3 / 0.100	5 / 0.270	12 / 0.306	24 / 0.360	- / -	120 / 1.800	164 / 2.836

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014								
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)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Contractor Field Mod Team : Installation Name: VMF Interoperability (UH-1Y/AH-1Z)																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	-	2	2	1	-	4	4	4	-	8	8	8	-	-	-	-	120	164
Out	-	-	-	-	-	-	-	-	-	-	1	1	1	-	2	2	1	-	4	4	4	-	8	8	8	-	-	-	-	120	164
Method of Implementation: Contractor Field Mod Team : Installation Name: Full Motion Video (FMV) (UH-1Y/AH-1Z)																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		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 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		12 / 0.422		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		12 / 0.422					
FY 2015		- / -		- / -		- / -		34 / 2.190		- / -		34 / 2.190		- / -		- / -		- / -		- / -		- / -		- / -		34 / 2.190					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		18 / 0.900		- / -		- / -		- / -		- / -		- / -		18 / 0.900					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 0.900		- / -		- / -		- / -		- / -		18 / 0.900					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		24 / 0.257		- / -		24 / 0.257					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		58 / 1.856		58 / 1.856					
Total		- / -		- / -		12 / 0.422		34 / 2.190		- / -		34 / 2.190		18 / 0.900		18 / 0.900		- / -		24 / 0.257		58 / 1.856		164 / 6.525							
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	4	4	-	12	11	11	-	6	6	6	-	6	6	6	-	-	-	-	-	8	8	8	58	164
Out	-	-	-	-	-	-	-	4	4	4	-	12	11	11	-	6	6	6	-	6	6	6	-	-	-	-	-	8	8	66	164
Method of Implementation (Organic): Not Installed - System Configuration Set Updates (UH-1Y/AH-1Z)																							Installation Quantity: 12								
Method of Implementation (Organic): Not Installed - Blue Force Tracker (UH-1Y/AH-1W/Z)																							Installation Quantity: 349								

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Wireless Internal Communication System (WICS) (UH-1Y)		Installation Quantity: 160
Method of Implementation (Organic): Not Installed - Mission Computer Trays		Installation Quantity: 8
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: 147
Method of Implementation (Organic): Not Installed - Retrofit OTO Hardware (UH-1Y/AH-1Z)		Installation Quantity: 48
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: 160
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⁾ System Configuration Set Update is an Organization-Level installation. ⁽⁴⁾ Other Support includes validation/verification and engineering support for all modifications.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy				Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	8.143	5.725	24.765	14.182	-	14.182	16.447	15.624	13.953	12.596	88.534	199.969
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	8.143	5.725	24.765	14.182	-	14.182	16.447	15.624	13.953	12.596	88.534	199.969
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	8.143	5.725	24.765	14.182	-	14.182	16.447	15.624	13.953	12.596	88.534	199.969
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 in support of the Overseas Contingency Operations (OCO). The increased readiness and capabilities that will be realized support the tenets of Sea Power 21, specifically operational availability, enhanced capabilities, and interoperability. 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 (and Night Targeting System Upgrade (NTSU) sensors provide a night/adverse weather Forward-Looking Infrared and laser designator for the H-1 series helicopters' weapons system engagement, including but not limited to Tube-launched Optically-tracked Wire-guided (TOW) missile, Hellfire, and air-to-ground missile capabilities. This OSIP also addresses improvements to H-1 series helicopters' weapons systems in support of mission success to include missile, rockets, and gun reliability and accuracy. These weapon systems include include Precision Guided Munitions, air-to-ground missiles, Advanced Precision Kill Weapon System (APKWS), Hellfire, M197 20MM Gun System, launchers, Turret Systems, 20MM Linkless Feed System, and crew served weapons. Other sensor improvements will include weapon repair assembly modifications to improve weapons reliability, maintainability, systems stabilization, as well as upgrades to Laser Spot Tracker (LST) and 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 such as integration of Heads-Up-Display improvements, Helmet Display and Tracker System (HDTs), Digital System Upgrade/Situational Awareness Enhancement (SAE), Degraded Visual Environment initiatives, Moving Maps, Transponder upgrade, Tactical Video Data Link (TVDL) system integration/upgrade, 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 NTS/NTSU improvements will include Weapons Repairable Assembly modifications to improve reliability, maintainability, integration of a Digital Video Recorder (DVR), and incorporation of the Mission Data Loader functionality within the DVR.

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 2015 Navy		Date: March 2014
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)

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽⁵⁾	21 / 0.470	19 / 0.261	18 / 0.427	15 / 0.367	- / -	15 / 0.367	16 / 0.403	15 / 0.389	14 / 0.374	- / -	- / -	118 / 2.691	
1.1.2) Helmet Display and Tracker System (HDTS) (AH-1W) - NonOrganic ⁽⁶⁾	65 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 2.285	84 / 2.285	
Subtotal: Recurring	- / 0.470	- / 0.261	- / 0.427	- / 0.367	- / -	- / 0.367	- / 0.403	- / 0.389	- / 0.374	- / -	- / 2.285	- / 4.976	
B Kits													
Recurring													
2.1.1) BRITE Star BLK II (UH-1Y) - Organic	10 / 6.750	6 / 4.049	11 / 9.680	2 / 1.760	- / -	2 / 1.760	2 / 1.760	2 / 1.760	- / -	- / -	- / -	33 / 25.759	
2.1.2) BRITE Star BLK II Laser Spot Tracker (UH-1Y) - Organic	- / -	- / -	- / -	24 / 1.200	- / -	24 / 1.200	72 / 3.600	72 / 3.600	- / -	- / -	- / -	168 / 8.400	
2.1.3) Target Sight System (TSS) Laser Spot Tracker (AH-1Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.842	15 / 6.504	24 / 10.719	24 / 11.041	124 / 57.040	189 / 86.146	
2.1.4) Target Sight System (TSS) Upgrade Kit (AH-1Z) - Organic	- / -	- / -	- / -	25 / 7.500	- / -	25 / 7.500	13 / 3.900	- / -	- / -	- / -	- / -	38 / 11.400	
2.1.5) Helmet Display and Tracker System (HDTS) (AH-1W) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 5.952	19 / 5.952	
2.1.6) Helmet Display and Tracker System (HDTS) Helmet Kit (AH-1W) - Organic ⁽⁷⁾	- / -	- / -	120 / 3.361	- / -	- / -	- / -	- / -	- / -	- / -	- / -	200 / 5.605	320 / 8.966	
2.1.8) Linkless Feed System (AH-1W/Z) - Organic	- / -	- / -	5 / 0.856	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.260	12 / 2.116	
2.1.9) Night Target System Upgrade (NTSU) Kit (AH-1W) - Organic ⁽⁸⁾	- / -	- / -	- / -	13 / 1.560	- / -	13 / 1.560	- / -	- / -	- / -	- / -	29 / 3.682	42 / 5.242	
Subtotal: Recurring	- / 6.750	- / 4.049	- / 13.897	- / 12.020	- / -	- / 12.020	- / 10.102	- / 11.864	- / 10.719	- / 11.041	- / 73.539	- / 153.981	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.636	- / 1.514	- / 0.883	- / 0.369	- / 3.636	- / 10.038	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 3.636	- / 1.514	- / 0.883	- / 0.369	- / 3.636	- / 10.038	
Subtotal: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12)	96 / 7.220	25 / 4.310	154 / 14.324	79 / 12.387	- / -	79 / 12.387	105 / 14.141	104 / 13.767	38 / 11.976	24 / 11.410	398 / 79.460	1,023 / 168.995	
Subtotal: Procurement, All Modification Items	- / 7.220	- / 4.310	- / 14.324	- / 12.387	- / -	- / 12.387	- / 14.141	- / 13.767	- / 11.976	- / 11.410	- / 79.460	- / 168.995	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / -	- / 0.235	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.235	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽⁹⁾	- / 0.122	- / 0.175	- / 0.124	- / 0.717	- / -	- / 0.717	- / 1.063	- / 0.572	- / 0.580	- / 0.375	- / 4.418	- / 8.146
3.3) Training Equipment	- / -	- / -	2 / 1.216	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.216
3.4) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.352	- / 0.352
3.5) ILS	- / -	- / -	- / -	- / 0.400	- / -	- / 0.400	- / 0.408	- / 0.412	- / 0.416	- / 0.424	- / 2.439	- / 4.499
3.6) Other Support ⁽¹⁰⁾	- / 0.361	- / 0.705	- / 0.507	- / 0.434	- / -	- / 0.434	- / 0.567	- / 0.615	- / 0.732	- / 0.387	- / 1.375	- / 5.683
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.483	- / 1.115	- / 1.847	- / 1.551	- / -	- / 1.551	- / 2.038	- / 1.599	- / 1.728	- / 1.186	- / 8.584	- / 20.131
Installation												
Modification Item 1 of 1: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12)	- / 0.440	- / 0.300	- / 8.594	- / 0.244	- / -	- / 0.244	- / 0.268	- / 0.258	- / 0.249	- / -	- / 0.490	- / 10.843
Subtotal: Installation	- / 0.440	- / 0.300	- / 8.594	- / 0.244	- / -	- / 0.244	- / 0.268	- / 0.258	- / 0.249	- / -	- / 0.490	- / 10.843
Total												
Total Cost (Procurement + Support + Installation)	8.143	5.725	24.765	14.182	-	14.182	16.447	15.624	13.953	12.596	88.534	199.969

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Wyle Laboratories, Inc.- AFC-396							Manufacturer Location: >Alabama					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 2					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Oct 2012	Oct 2013	Oct 2014	Oct 2015	Oct 2016	Oct 2017						
Delivery Dates	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017						
Manufacturer Name: Elbit Systems Limited - HDTs							Manufacturer Location: >Israel					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 2					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Oct 2014									
Delivery Dates			Dec 2014									
Installation Information												
Method of Implementation: Contractor Field Mod Team : Installation Name: AFC-396 (UH-1Y)												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	21 / 0.440	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 0.440
FY 2013	- / -	19 / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 0.300
FY 2014	- / -	- / -	18 / 0.284	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.284
FY 2015	- / -	- / -	- / -	15 / 0.244	- / -	15 / 0.244	- / -	- / -	- / -	- / -	- / -	15 / 0.244
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.268	- / -	- / -	- / -	- / -	16 / 0.268
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.258	- / -	- / -	- / -	15 / 0.258
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.249	- / -	- / -	14 / 0.249
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	21 / 0.440	19 / 0.300	18 / 0.284	15 / 0.244	- / -	15 / 0.244	16 / 0.268	15 / 0.258	14 / 0.249	- / -	- / -	118 / 2.043

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014										
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)																																	
Modification Item MDAP/MAIS Code:																																	
Installation Information																																	
Method of Implementation: Contractor Field Mod Team : Installation Name: AFC-396 (UH-1Y)																																	
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	21	4	5	5	5	4	4	5	5	3	4	4	4	4	4	4	4	4	4	4	3	3	4	4	3	-	-	-	-	-	118		
Out	21	4	5	5	5	4	4	5	5	3	4	4	4	4	4	4	4	4	4	4	3	3	4	4	3	-	-	-	-	-	118		
Method of Implementation: Contractor Field Mod Team : Installation Name: Helmet Display and Tracker System (HDTS) (AH-1W)																																	
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		- / -	- / -	55 / 8.310	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 8.310																				
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 0.490	19 / 0.490																				
Total		- / -	- / -	55 / 8.310	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 0.490	74 / 8.800																				
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	14	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	74		
Out	-	-	-	-	-	13	14	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	74		
Method of Implementation (Organic): Not Installed - BRITE Star BLK II (UH-1Y)																							Installation Quantity: 33										
Method of Implementation (Organic): Not Installed - BRITE Star BLK II Laser Spot Tracker (UH-1Y)																							Installation Quantity: 168										

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
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 (AH-1Z)		Installation Quantity: 38
Method of Implementation (Organic): Not Installed - Helmet Display and Tracker System (HDTS) (AH-1W)		Installation Quantity: 19
Method of Implementation (Organic): Not Installed - Helmet Display and Tracker System (HDTS) Helmet Kit (AH-1W)		Installation Quantity: 320
Method of Implementation (Organic): Not Installed - Linkless Feed System (AH-1W/Z)		Installation Quantity: 12
Method of Implementation (Organic): Not Installed - Night Target System Upgrade (NTSU) Kit (AH-1W)		Installation Quantity: 42
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 2
Footnotes: ⁽⁵⁾ AFC-396 will configure the UH-1Y to fly with any of the three existing sensors: STAR Safire, BRITE Star Block I or BRITE Star Block II. ⁽⁶⁾ Due to aircraft availability, FY 2012 OCO HDTS installation kits procured under BLI 0527 OSIP 13-12 in FY 2013 are being installed under this OSIP in FY 2014. ⁽⁷⁾ Helmet Display and Tracker System (HDTS) Helmet Kit procurement quantities in FY 2014-2018 are based on the estimated number of AH-1W operators flying HDTS-equipped aircraft. ⁽⁸⁾ NTSU Installation Equipment previously procured in BLI 0527 OSIP 13-12 continues under this OSIP in FY 2015. ⁽⁹⁾ 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. ⁽¹⁰⁾ Other Support includes validation/verification and engineering support for all modifications.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	5.289	7.639	-	7.639	6.163	3.815	4.013	8.047	229.861	264.827
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	5.289	7.639	-	7.639	6.163	3.815	4.013	8.047	229.861	264.827
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	5.289	7.639	-	7.639	6.163	3.815	4.013	8.047	229.861	264.827
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date.												
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 drive shaft, 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 improvement, UH-1Y floor panel/belly access and water intrusion modification, composite elevator, Environmental Control System, and Upgrades main rotor blade improvement. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Tail boom clamp & retainer contract award 1Q FY 2014. UH-1Y Main Rotor Gear Box (MRGB) pylon strap rivet kits contract award 1Q FY 2014. Tail Rotor Drive Shaft clearance mod kit contract award 1Q FY 2015. 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 2015 Navy		Date: March 2014
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 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽¹¹⁾	- / -	- / -	15 / 0.218	15 / 0.218	- / -	15 / 0.218	15 / 0.218	15 / 0.218	15 / 0.218	2 / 0.029	- / -	77 / 1.119
1.1.2) External Lights Upgrades (UH-1Y/AH-1Z) - NonOrganic ⁽¹²⁾	9 / 0.000	- / -	69 / 0.345	80 / 0.400	- / -	80 / 0.400	25 / 0.125	20 / 0.100	28 / 0.140	30 / 0.150	88 / 0.440	349 / 1.700
1.1.3) Slip Ring/Standpipe (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.100	20 / 0.100	20 / 0.100	25 / 0.125	264 / 1.320	349 / 1.745
1.1.4) T700-401C (AH-1Z Reman) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 27.000	36 / 27.000
1.1.5) Canopy Door Frames (AH-1W/Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	37 / 0.185	37 / 0.185	36 / 0.180	35 / 0.175	44 / 0.220	189 / 0.945
1.1.6) MRGB Pylon Strap Rivets (UH-1Y) - NonOrganic	- / -	- / -	15 / 0.003	15 / 0.003	- / -	15 / 0.003	4 / 0.001	6 / 0.001	- / -	- / -	- / -	40 / 0.008
1.1.7) Gearbox Reliability Improvements (UH-1Y/AH-1W/Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	349 / 2.600	349 / 2.600
1.1.8) Heat Exchange Airframe Mounting Mod (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.184	24 / 0.110	- / -	- / -	- / -	64 / 0.294
1.1.9) Tail Rotor Drive Shaft (TRDS) Clearance Improvements (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.050	7 / 0.050	7 / 0.050	27 / 0.193	301 / 2.150	349 / 2.493
1.1.11) 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	274 / 1.828	349 / 2.328
1.1.12) AC/DC Generator Improvement (UH-1Y/AH-1Z) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.200	339 / 6.780	349 / 6.980
1.1.13) Rotor Brake Improvement (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.600	309 / 4.635	349 / 5.235
1.1.15) Tail Rotor Blades (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.330	4 / 0.532	4 / 0.532	- / -	462 / 41.412	480 / 43.806
1.1.16) ECP 0017R3 Swash Plate Seal (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	15 / 0.015	- / -	15 / 0.015	15 / 0.015	15 / 0.015	15 / 0.015	15 / 0.015	14 / 0.014	89 / 0.089
Subtotal: Recurring	- / 0.000	- / -	- / 0.566	- / 0.736	- / -	- / 0.736	- / 2.308	- / 1.411	- / 1.335	- / 1.587	- / 88.399	- / 96.342
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / -	- / -	- / 0.076	- / 0.316	- / -	- / 0.316	- / 0.128	- / -	- / -	- / -	- / -	- / 0.520
Subtotal: Non-Recurring	- / 0.000	- / -	- / 0.076	- / 0.316	- / -	- / 0.316	- / 0.128	- / -	- / -	- / -	- / -	- / 0.520
B Kits												
Recurring												
2.1.1) External Lights (UH-1Y/AH-1Z) - Organic	- / -	- / -	69 / 2.622	80 / 3.143	- / -	80 / 3.143	25 / 1.015	20 / 0.840	28 / 1.215	30 / 1.345	88 / 3.377	340 / 13.557
2.1.2) Mission Grip Mount (AH-1Z) - Organic	- / -	- / -	- / -	73 / 0.475	- / -	73 / 0.475	25 / 0.163	25 / 0.163	15 / 0.098	27 / 0.176	14 / 0.091	179 / 1.166

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
2.1.3) AC/DC Generator Improvement (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.600	339 / 20.340	349 / 20.940	
Subtotal: Recurring	- / 0.000	- / -	- / 2.622	- / 3.618	- / -	- / 3.618	- / 1.178	- / 1.003	- / 1.313	- / 2.121	- / 23.808	- / 35.663	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / -	- / -	- / -	- / 0.753	- / -	- / 0.753	- / 0.863	- / -	- / -	- / -	- / -	- / 1.616	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / 0.753	- / -	- / 0.753	- / 0.863	- / -	- / -	- / -	- / -	- / 1.616	
Subtotal: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)	9 / 0.000	- / -	168 / 3.264	293 / 5.423	- / -	293 / 5.423	238 / 4.477	208 / 2.414	183 / 2.648	266 / 3.708	2,921 / 112.207	4,286 / 134.141	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 3.264	- / 5.423	- / -	- / 5.423	- / 4.477	- / 2.414	- / 2.648	- / 3.708	- / 112.207	- / 134.141	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.244	- / 0.244	
3.2) Data	- / -	- / -	- / 0.032	- / 0.035	- / -	- / 0.035	- / 0.032	- / 0.032	- / 0.032	- / 0.032	- / 0.055	- / 0.250	
3.3) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.330	3 / 2.330	
3.4) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.100	- / 0.100	
3.5) ILS	- / -	- / -	- / -	- / 0.235	- / -	- / 0.235	- / 0.235	- / 0.238	- / 0.242	- / 0.246	- / 1.325	- / 2.521	
3.6) Other Support ⁽¹³⁾	- / -	- / -	- / 0.905	- / 0.838	- / -	- / 0.838	- / 0.962	- / 0.699	- / 0.661	- / 0.491	- / 0.920	- / 5.476	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / 0.937	- / 1.108	- / -	- / 1.108	- / 1.229	- / 0.969	- / 0.935	- / 0.769	- / 4.974	- / 10.921	
Installation													
Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)	- / 0.000	- / -	- / 1.088	- / 1.108	- / -	- / 1.108	- / 0.457	- / 0.432	- / 0.430	- / 3.570	- / 112.680	- / 119.765	
Subtotal: Installation	- / 0.000	- / -	- / 1.088	- / 1.108	- / -	- / 1.108	- / 0.457	- / 0.432	- / 0.430	- / 3.570	- / 112.680	- / 119.765	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	5.289	7.639	-	7.639	6.163	3.815	4.013	8.047	229.861	264.827	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Depot - Tail Boom Clamp & Retainer							Manufacturer Location: >North Carolina					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 2					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Oct 2013	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018					
Delivery Dates		Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018					
Manufacturer Name: Depot - MRGB Plyon Strap Rivets							Manufacturer Location: >North Carolina					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
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 (<i>in Months</i>): 4							Production Leadtime (<i>in Months</i>): 2					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019					
Delivery Dates		Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019					
Manufacturer Name: Depot - AC/DC Generator Improvement							Manufacturer Location: >North Carolina					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 3					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates							Oct 2018					
Delivery Dates							Feb 2019					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	15 / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.150
FY 2015	- / -	- / -	- / -	15 / 0.150	- / -	15 / 0.150	- / -	- / -	- / -	- / -	- / -	15 / 0.150

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.150	- / -	- / -	- / -	- / -	15 / 0.150
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.150	- / -	- / -	- / -	15 / 0.150
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.150	- / -	- / -	15 / 0.150
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.020	- / -	2 / 0.020
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	15 / 0.150	15 / 0.150	- / -	15 / 0.150	15 / 0.150	15 / 0.150	15 / 0.150	2 / 0.020	- / -	77 / 0.770

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	5	5	3	4	4	4	3	4	4	4	3	4	4	4	3	4	4	4	2	-	-	-	-	77
Out	-	-	-	-	-	2	3	5	5	3	4	4	4	3	4	4	4	3	4	4	4	3	4	4	4	2	-	-	-	-	77

Method of Implementation: Contractor Field Mod Team : Installation Name: External Lights Upgrades (UH-1Y/AH-1Z)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	69 / 0.690	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	69 / 0.690
FY 2015	- / -	- / -	- / -	80 / 0.800	- / -	80 / 0.800	- / -	- / -	- / -	- / -	- / -	80 / 0.800
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.265	- / -	- / -	- / -	- / -	25 / 0.265
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.219	- / -	- / -	- / -	20 / 0.219
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.280	- / -	- / -	28 / 0.280
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.300	- / -	30 / 0.300
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	88 / 0.905	88 / 0.905
Total	- / -	- / -	78 / 0.780	80 / 0.800	- / -	80 / 0.800	25 / 0.265	20 / 0.219	28 / 0.280	30 / 0.300	88 / 0.905	349 / 3.549

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: External Lights Upgrades (UH-1Y/AH-1Z)

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	26	-	26	27	27	-	8	8	9	-	6	7	7	-	9	9	10	-	10	10	10	88	349
Out	-	-	-	-	-	-	9	17	26	26	-	26	27	27	-	8	8	9	-	6	7	7	-	9	9	10	-	10	10	98	349

Method of Implementation: Contractor Field Mod Team : Installation Name: T700-401C (AH-1Z Reman)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 1.600	36 / 1.600
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 1.600	36 / 1.600

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	36	
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	36	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot Modification Team : Installation Name: MRGB Pylon Strap Rivets (UH-1Y)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	15 / 0.158	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.158
FY 2015	- / -	- / -	- / -	15 / 0.158	- / -	15 / 0.158	- / -	- / -	- / -	- / -	- / -	15 / 0.158
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.042	- / -	- / -	- / -	- / -	4 / 0.042
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.063	- / -	- / -	- / -	6 / 0.063
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	15 / 0.158	15 / 0.158	- / -	15 / 0.158	4 / 0.042	6 / 0.063	- / -	- / -	- / -	40 / 0.421

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 3.250	- / -	10 / 3.250

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Depot Mod Team : Installation Name: AC/DC Generator Improvement (UH-1Y/AH-1Z)																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>																
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	339 / 110.175	339 / 110.175																	
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 3.250	339 / 110.175	349 / 113.425																	
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	339	349
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	4	339	349
Method of Implementation (Organic): Not Installed - Slip Ring/Standpipe (UH-1Y/AH-1Z)																				Installation Quantity: 349											
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/AH-1W/Z)																				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: 349											
Method of Implementation (Organic): Not Installed - Rotor Brake Improvement (UH-1Y/AH-1Z)																				Installation Quantity: 349											
Method of Implementation (Organic): Not Installed - Tail Rotor Blades (UH-1Y/AH-1Z)																				Installation Quantity: 480											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - ECP 0017R3 Swash Plate Seal (UH-1Y/AH-1Z)		Installation Quantity: 89
Method of Implementation (Organic): Not Installed - External Lights (UH-1Y/AH-1Z)		Installation Quantity: 340
Method of Implementation (Organic): Not Installed - Mission Grip Mount (AH-1Z)		Installation Quantity: 179
Method of Implementation (Organic): Not Installed - AC/DC Generator Improvement (UH-1Y/AH-1Z)		Installation Quantity: 349
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 3
Footnotes: ⁽¹⁾ FY 2012 Tail Boom Clamp and Retainer Mod kits (qty 13) procured in FY 2013 under OSIP 018-98 are being installed under this OSIP in FY 2014. ⁽²⁾ FY 2011 External Lights Upgrades installation kits (qty 9) procured in FY 2013 in OSIP 021-07 are being installed under this OSIP in FY 2014. ⁽³⁾ Other Support includes validation/verification and engineering support for all modifications.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 4 / H-1N SAFETY UPGRADES (OSIP 018-98)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	31.741	0.041	-	-	-	-	-	-	-	-	-	31.782
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	31.741	0.041	-	-	-	-	-	-	-	-	-	31.782
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	31.741	0.041	-	-	-	-	-	-	-	-	-	31.782
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Solution Planning Directive (serial number C14, dated 26 June 2007) and Capabilities Production Document (CPD) (approved 11 June 2007. JROCM 138-07) requires that the following safety shortfalls be corrected. The HH/UH-1N helicopter fleet was designed in the 1960s, introduced in the 1970s, and is projected to remain in the Department of the Navy inventory until FY2014. This program is designed to address safety issues such as mishap casual factors associated with maintaining an older type model series aircraft. This safety upgrade program replaced the Tail Drive System (TDS), A COTS/NDI Improved Torque Indicator System was added to provide a digital torque display to the aircrew to improve low power margin situational awareness. Additionally, the overspeed Aural Alert Unit (AAU) will be modified. A modification to the CH-8500 Vibration Analysis Support Equipment (VASE) will also be needed. A COTS replacement Rotor Brake Quill (RBQ) assembly and Low Maintenance Battery (LMB) have been incorporated into all HH/UH-1N aircraft. Included in this OSIP are the requirements to correct the safety deficiencies of the Defensive Armament System (DAS), machine guns, carriages, mounts, Improved Ammunition Storage System (IASS), ammunition cans, and associated equipment. Improvements and enhancements to airframe including tailboom clamps and retainers, as well as Night Vision Goggle (NVG) compatibility and communications equipment for external agency interaction during the Overseas Contingency Operations (OCO) will be made. Aircraft (A/C) fatigue life issues include movement of critical controls, Heads Up Display (HUDs), CDNU, and GPS Upgrades (CCU) (radio select, etc.). Mid-air collision avoidance systems and crew weapons mounts will also be accomplished. Tactical Video Data Link (TVDL) mission kits will also be explored in the UH-1N and the UH-1Y.

DEVELOPMENT STAUTS/MAJOR DEVELOPMENT MILESTONES: The upgrades are proprietary, non-developmental items used in other Bell Helicopter Textron Incorporated (BHTI) produced military and FAA certified commercial helicopters.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0532 / H-1 Series				Modification Number / Title: 4 / H-1N SAFETY UPGRADES (OSIP 018-98)					
Models of Systems Affected: HH-1N/UH-1N				Modification Type: SAFETY					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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-1N SAFETY UPGRADES (OSIP 018-98)													
A Kits													
Recurring													
1.1.1) Tail Boom Clamp and Retainer Mod (UH-1Y/ AH-1Z) - NonOrganic ⁽¹⁴⁾	16 / 0.187	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.187	
1.1.2) Prior Year Inactive Installations - Organic	1,536 / 18.506	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,536 / 18.506	
Subtotal: Recurring	- / 18.693	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.693	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 1.052	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.052	
Subtotal: Non-Recurring	- / 1.052	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.052	
B Kits													
Recurring													
2.1.1) Installation Equipment - Organic	103 / 0.559	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	103 / 0.559	
Subtotal: Recurring	- / 0.559	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.559	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 0.220	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.220	
Subtotal: Non-Recurring	- / 0.220	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.220	
Subtotal: H-1N SAFETY UPGRADES (OSIP 018-98)	1,655 / 20.524	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,655 / 20.524	
Subtotal: Procurement, All Modification Items	- / 20.524	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.524	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.030	
3.2) Data	- / 0.742	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.742	
3.3) Training Equipment	4 / 1.253	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.253	
3.4) Support Equipment	101 / 0.975	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	101 / 0.975	
3.5) ILS	- / 0.955	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.955	
3.6) Other Support	- / 7.262	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.262	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 11.217	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.217	
Installation													
Modification Item 1 of 1: H-1N SAFETY UPGRADES (OSIP 018-98)	- / 0.000	- / 0.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.041	

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0532 / H-1 Series						Modification Number / Title: 4 / H-1N SAFETY UPGRADES (OSIP 018-98)			
Models of Systems Affected: HH-1N/UH-1N			Modification Type: SAFETY					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 0.000	- / 0.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.041
Total												
Total Cost (Procurement + Support + Installation)	31.741	0.041	-	-	-	-	-	-	-	-	-	31.782

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0532 / H-1 Series										Modification Number / Title: 4 / H-1N SAFETY UPGRADES (OSIP 018-98)													
Modification Item 1 of 1: H-1N SAFETY UPGRADES (OSIP 018-98)																																	
Modification Item MDAP/MAIS Code:																																	
Manufacturer Information																																	
Manufacturer Name: Depot - Tail Boom Clamp & Retainer															Manufacturer Location: >North Carolina																		
Administrative Leadtime (<i>in Months</i>): 1															Production Leadtime (<i>in Months</i>): 12																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019							
Contract Dates																																	
Delivery Dates																																	
Installation Information																																	
Method of Implementation: Depot Field Mod Team : Installation Name: Tail Boom Clamp and Retainer Mod (UH-1Y/AH-1Z)																																	
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		- / -	3 / 0.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.041																				
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
Total		- / -	3 / 0.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.041																				
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
Out	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
Method of Implementation (Organic): Not Installed - Prior Year Inactive Installations																														Installation Quantity: 1536			
Method of Implementation (Organic): Organic - Installation Equipment																														Installation Quantity: 103			

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 4 / H-1N SAFETY UPGRADES (OSIP 018-98)
Modification Item 1 of 1: H-1N SAFETY UPGRADES (OSIP 018-98)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 4
Method of Implementation (Organic): Not Installed - Support Equipment		Installation Quantity: 101
Footnotes: ⁽¹⁴⁾ FY 2012 Tail Boom Clamp and Retainer Mod kits procured under this OSIP 018-98 will install under OSIP 013-14 in FY 2014.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 5 / INACTIVE OSIPS

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	253.247	-	-	-	-	-	-	-	-	-	-	253.247
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	253.247	-	-	-	-	-	-	-	-	-	-	253.247
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	253.247	-	-	-	-	-	-	-	-	-	-	253.247
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0532 / H-1 Series				Modification Number / Title: 5 / INACTIVE OSIPS					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 253.247	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 253.247	
Subtotal: Recurring	- / 253.247	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 253.247	
Subtotal: INACTIVE OSIPS	- / 253.247	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 253.247	
Subtotal: Procurement, All Modification Items	- / 253.247	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 253.247	
Support (All Modification Items)													
3.1) New Cost Element.	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	253.247	-	-	-	-	-	-	-	-	-	-	253.247	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0532 / H-1 Series			Modification Number / Title: 5 / INACTIVE OSIPS	
Modification Item 1 of 1: INACTIVE OSIPS							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,068.899	76.420	74.047	32.890	-	32.890	19.771	15.597	7.689	7.972	19.752	1,323.037
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,068.899	76.420	74.047	32.890	-	32.890	19.771	15.597	7.689	7.972	19.752	1,323.037
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,068.899	76.420	74.047	32.890	-	32.890	19.771	15.597	7.689	7.972	19.752	1,323.037
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date. 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 FY2013-FY2019 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 (JM0D) - OSIP 11-01]: FY-14 increase due to Congressional Adds of \$8M for the 12th A-Kit and B-Kit for Spiral 3 and \$14M for Sensor Obsolescence. Spiral 3 Installation for the 12th Aircraft remains unfunded. FY-14 Congressional reduction of \$6.556M for the 11th Spiral 3 install ahead of need. Installation of the 11th Spiral 3 aircraft is now unfunded. FY-15 through FY-17 increases in ECO, ILS, Other Support and Installations are to sustain ISR operations for EP-3 threat-pacing issues (obsolescence and diminishing material sources).												

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy										Date: March 2014									
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		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / JSAF Modification (JMOD) - OSIP 11-01	P-3a		-	-	577.207	-	-	63.390	-	-	71.347	-	-	32.890	-	-	-	-	-	32.890
P-3a - 2 / EP-3E Info Operations - OSIP 14-05	P-3a		-	-	111.781	-	-	13.030	-	-	2.700	-	-	-	-	-	-	-	-	-
P-3a - 3 / Inactive OSIPS	P-3a		-	-	379.911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	1,068.899	-	-	76.420	-	-	74.047	-	-	32.890	-	-	-	-	-	32.890
Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / JSAF Modification (JMOD) - OSIP 11-01	P-3a		-	-	19.771	-	-	15.597	-	-	7.689	-	-	7.972	-	-	19.752	-	-	815.615
P-3a - 2 / EP-3E Info Operations - OSIP 14-05	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	127.511
P-3a - 3 / Inactive OSIPS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	379.911
Total Gross/Weapon System Cost			-	-	19.771	-	-	15.597	-	-	7.689	-	-	7.972	-	-	19.752	-	-	1,323.037

*For the P-3a, Title represents the Modification Number / Title.

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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ <i>in Millions</i>)	577.207	63.390	71.347	32.890	-	32.890	19.771	15.597	7.689	7.972	19.752	815.615
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	577.207	63.390	71.347	32.890	-	32.890	19.771	15.597	7.689	7.972	19.752	815.615
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	577.207	63.390	71.347	32.890	-	32.890	19.771	15.597	7.689	7.972	19.752	815.615
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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) OSIP 07-09 has been incorporated into OSIP 11-01 beginning in FY13
- 3) Install Schedule based on Projected Aircraft Availability
- 4) Obsolescence quantities include various mission equipment quantities
- 5) FY-14 increase due to Congressional Adds of \$8M for the 12th A-Kit and B-Kit for Spiral 3 and \$14M for Sensor Obsolescence. FY-14 Reduction of \$6.556M for the 11th Spiral 3 install ahead of need.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 Install Kits - Organic	44 / 16.973	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 16.973	
1.1.2) JMOD Common SP1 - Organic	6 / 4.826	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 4.826	
1.1.3) JMOD Common SP3 - NonOrganic ⁽¹⁾	6 / 15.166	2 / 5.214	2 / 5.572	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 25.952	
Subtotal: Recurring	- / 36.965	- / 5.214	- / 5.572	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 47.751	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 22.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.465	
Subtotal: Non-Recurring	- / 22.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.465	
B Kits													
Recurring													
2.1.1) Prior Year Install Equipment - Organic	75 / 77.299	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	75 / 77.299	
2.1.2) JMOD Common SP1 - Organic	6 / 24.990	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 24.990	
2.1.3) JMOD Common SP3 - Organic	5 / 27.800	2 / 9.708	2 / 9.788	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 47.296	
2.1.4) Prior Year Installation Costs - Organic	46 / 29.223	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 29.223	
Subtotal: Recurring	- / 159.312	- / 9.708	- / 9.788	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 178.808	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 44.091	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 44.091	
Subtotal: Non-Recurring	- / 44.091	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 44.091	
Subtotal: JSAF Modification (JMOD) - OSIP 11-01	188 / 262.833	4 / 14.922	4 / 15.360	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	196 / 293.115	
Subtotal: Procurement, All Modification Items	- / 262.833	- / 14.922	- / 15.360	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 293.115	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) JCC Obsolescence	- / 113.536	- / 12.491	- / 25.818	- / 17.991	- / -	- / 17.991	- / 10.798	- / 7.799	- / 2.170	- / 2.407	- / 0.200	- / 193.210	
3.3) QRC	- / -	- / -	- / 0.931	- / 0.947	- / -	- / 0.947	- / 0.850	- / 0.865	- / 0.880	- / 0.880	- / 0.176	- / 5.529	
3.4) Data	- / 11.949	- / 0.500	- / 0.509	- / 0.518	- / -	- / 0.518	- / -	- / -	- / -	- / -	- / -	- / 13.476	
3.5) Training Equipment	- / 12.633	- / 1.104	- / 1.067	- / 1.086	- / -	- / 1.086	- / 0.646	- / 0.657	- / 0.639	- / 0.639	- / 0.561	- / 19.032	
3.6) Support Equipment	- / 13.972	- / 1.048	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.020	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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) ILS	- / 24.359	- / 1.848	- / 1.615	- / 1.702	- / -	- / 1.702	- / 1.600	- / 1.318	- / 1.000	- / 1.000	- / -	- / 34.442	
3.8) Other Support	- / 92.951	- / 5.309	- / 5.735	- / 3.296	- / -	- / 3.296	- / 1.977	- / 1.558	- / 0.500	- / 0.497	- / 3.473	- / 115.296	
3.9) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 269.400	- / 22.300	- / 35.675	- / 25.540	- / -	- / 25.540	- / 15.871	- / 12.197	- / 5.189	- / 5.423	- / 4.410	- / 396.005	
Installation													
<i>Modification Item 1 of 1:</i> JSAF Modification (JMOD) - OSIP 11-01	- / 44.974	- / 26.168	- / 20.312	- / 7.350	- / -	- / 7.350	- / 3.900	- / 3.400	- / 2.500	- / 2.549	- / 15.342	- / 126.495	
<i>Subtotal: Installation</i>	- / 44.974	- / 26.168	- / 20.312	- / 7.350	- / -	- / 7.350	- / 3.900	- / 3.400	- / 2.500	- / 2.549	- / 15.342	- / 126.495	
Total													
Total Cost (Procurement + Support + Installation)	577.207	63.390	71.347	32.890	-	32.890	19.771	15.597	7.689	7.972	19.752	815.615	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
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												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: L-3 - Spiral 3 ⁽²⁾							Manufacturer Location: >Waco, Texas					
Administrative Leadtime <i>(in Months)</i> : 3							Production Leadtime <i>(in Months)</i> : 8					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Dec 2012	Dec 2013										
Delivery Dates	Aug 2013	Aug 2014										
Manufacturer Name: TBD - Obsolescence ECP's ⁽³⁾							Manufacturer Location: >New MFG - Loc					
Administrative Leadtime <i>(in Months)</i> : 2							Production Leadtime <i>(in Months)</i> : 2					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018					
Delivery Dates	Feb 2013	Feb 2014	Feb 2015	Feb 2016	Feb 2017	Feb 2018	Feb 2019					
Installation Information												
Method of Implementation: Commercial Contractor Installation : Installation Name: JMOD Common SP3												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	3 / 22.800	3 / 19.968	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 42.768
FY 2013	- / -	- / -	2 / 13.112	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 13.112
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 14.592	2 / 14.592
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	3 / 22.800	3 / 19.968	2 / 13.112	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 14.592	10 / 70.472

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014								
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																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Commercial Contractor Installation : Installation Name: JMOD Common SP3																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	10
Out	1	1	1	-	1	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	10
Method of Implementation: Navy Field Mod Team : Installation Name: JCC Obsolescence																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 / 22.174		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 22.174					
FY 2013		- / -		- / 6.200		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 6.200					
FY 2014		- / -		- / -		- / 7.200		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 7.200					
FY 2015		- / -		- / -		- / -		- / 7.350		- / -		- / 7.350		- / -		- / -		- / -		- / -		- / -		- / -		- / 7.350					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / 3.900		- / -		- / -		- / -		- / -		- / -		- / 3.900					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 3.400		- / -		- / -		- / -		- / -		- / 3.400					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.500		- / -		- / -		- / -		- / -		- / 2.500					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.549		- / -		- / -		- / 2.549					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.750		- / 0.750		- / 56.023					
Total		0 / 22.174		- / 6.200		- / 7.200		- / 7.350		- / -		- / 7.350		- / 3.900		- / 3.400		- / 2.500		- / 2.549		- / 0.750		- / 56.023							
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Method of Implementation (Organic): Not Installed - Prior Year Install Kits																							Installation Quantity: 44								
Method of Implementation (Organic): Not Installed - JMOD Common SP1																							Installation Quantity: 6								

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Prior Year Install Equipment		Installation Quantity: 75
Method of Implementation (Organic): Not Installed - JMOD Common SP1		Installation Quantity: 6
Method of Implementation (Organic): Not Installed - JMOD Common SP3		Installation Quantity: 9
Method of Implementation (Organic): Not Installed - Prior Year Installation Costs		Installation Quantity: 46
Footnotes: ⁽¹⁾ Congressional Add of \$8M was received for the 12th A-Kit and B-Kit for Spiral 3. Spiral 3 Installation for the 12th Aircraft remains unfunded. Congressional reduction of \$6.556M for the 11th Spiral 3 install ahead of need. Installation of the 11th Spiral 3 aircraft is now unfunded. ⁽²⁾ Install Schedule based on projected aircraft availability ⁽³⁾ OBS quantities include various mission equipment quantities.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	111.781	13.030	2.700	-	-	-	-	-	-	-	-	127.511
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	111.781	13.030	2.700	-	-	-	-	-	-	-	-	127.511
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	111.781	13.030	2.700	-	-	-	-	-	-	-	-	127.511
<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>	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 directly missions in support of OCOs. Specific operational details can be provided in a classified forum.

NOTES:

- 1) 2 Val/Ver Kits are not included in CDL Installs
- 2) FY14 Vortex Installs funded with FY13 OCO
- 3) FY15 Escort Installs funded with FY14 OCO
- 4) FY15 Red Falcon Installs funded with FY14 OCO

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) AN/USQ-146 - Organic	10 / 0.450	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.450	
1.1.2) FLIR - Organic	16 / 21.022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 21.022	
1.1.3) CDL - NonOrganic ⁽⁴⁾	6 / 3.000	2 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 4.000	
1.1.4) Vortex - NonOrganic ⁽⁵⁾	- / -	12 / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.400	
1.1.5) Escort - NonOrganic ⁽⁶⁾	- / -	- / -	12 / 0.240	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.240	
1.1.6) Red Falcon - NonOrganic ⁽⁷⁾	- / -	- / -	12 / 0.240	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.240	
Subtotal: Recurring	- / 24.472	- / 1.400	- / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.352	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 2.600	- / 0.880	- / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.960	
Subtotal: Non-Recurring	- / 2.600	- / 0.880	- / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.960	
B Kits													
Recurring													
2.1.1) AN/USQ-146 - Organic	10 / 8.127	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 8.127	
2.1.2) FLIR - Organic	19 / 34.716	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 34.716	
2.1.3) CDL - Organic	8 / 8.000	4 / 4.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 12.000	
2.1.4) Vortex - Organic	- / -	12 / 3.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 3.000	
2.1.5) Escort - Organic	- / -	- / -	12 / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.300	
2.1.6) Red Falcon - Organic	- / -	- / -	12 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.600	
2.1.7) Prior Year Installation Cost - Organic	26 / 4.768	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 4.768	
Subtotal: Recurring	- / 55.611	- / 7.000	- / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 63.511	
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	95 / 85.733	30 / 9.280	48 / 1.860	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	173 / 96.873	
Subtotal: Procurement, All Modification Items	- / 85.733	- / 9.280	- / 1.860	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 96.873	
Support (All Modification Items)													
3.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014						
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													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: TBD - CDL ⁽⁸⁾							Manufacturer Location: >TBD						
Administrative Leadtime <i>(in Months)</i> : 3							Production Leadtime <i>(in Months)</i> : 6						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Jan 2013												
Delivery Dates	Jun 2013												
Manufacturer Name: TBD - Vortex							Manufacturer Location: >TBD						
Administrative Leadtime <i>(in Months)</i> : 3							Production Leadtime <i>(in Months)</i> : 6						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Jan 2013												
Delivery Dates	Jun 2013												
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 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates		Jan 2014											
Delivery Dates		Jun 2014											
Installation Information													
Method of Implementation: Navy Field Mod Team : Installation Name: CDL													
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	6 / 6.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 6.000	
FY 2013	- / -	2 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.000	
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	6 / 6.000	2 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 8.000	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Navy Field Mod Team : Installation Name: CDL

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Out	-	3	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8

Method of Implementation: Navy Field Mod Team : Installation Name: Vortex

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	4 / 0.650	6 / -	2 / -	- / -	2 / -	- / -	- / -	- / -	- / -	- / -	12 / 0.650
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	4 / 0.650	6 / -	2 / -	- / -	2 / -	- / -	- / -	- / -	- / -	- / -	12 / 0.650

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2015 Navy										Date: March 2014																					
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																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Navy Field Mod Team : Installation Name: Escort / Red Falcon																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	16 / 0.840	8 / -	- / -	8 / -	- / -	- / -	- / -	- / -	- / -	24 / 0.840																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	16 / 0.840	8 / -	- / -	8 / -	- / -	- / -	- / -	- / -	- / -	24 / 0.840																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 (Organic): Not Installed - AN/USQ-146																		Installation Quantity: 10													
Method of Implementation (Organic): Not Installed - FLIR																		Installation Quantity: 16													
Method of Implementation (Organic): Not Installed - AN/USQ-146																		Installation Quantity: 10													
Method of Implementation (Organic): Not Installed - FLIR																		Installation Quantity: 19													
Method of Implementation (Organic): Not Installed - CDL																		Installation Quantity: 12													
Method of Implementation (Organic): Not Installed - Vortex																		Installation Quantity: 12													

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Escort		Installation Quantity: 12
Method of Implementation (Organic): Not Installed - Red Falcon		Installation Quantity: 12
Method of Implementation (Organic): Not Installed - Prior Year Installation Cost		Installation Quantity: 26
Footnotes: (4) Two additional "A" kits are required for validation/verification testing. (5) FY14 Vortex Installs funded with FY13 OCO (6) FY15 Escort Installs Funded with FY14 OCO (7) FY15 Red Falcon Installs funded with FY14 OCO (8) 2 Val/Ver Kits not included in installs		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	- / 379.911	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 379.911	
<i>Subtotal: Support</i>	- / 379.911	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 379.911	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	379.911	-	-	-	-	-	-	-	-	-	-	379.911	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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		
Modification Item 1 of 1: N/A							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	4,750.242	114.475	36.788	2.823	-	2.823	7.121	4.032	3.100	3.206	-	4,921.78
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	4,750.242	114.475	36.788	2.823	-	2.823	7.121	4.032	3.100	3.206	-	4,921.78
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4,750.242	114.475	36.788	2.823	-	2.823	7.121	4.032	3.100	3.206	-	4,921.78
(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>)	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date.												
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.												
As a direct result of the 7 June 2003 Maritime Patrol and Reconnaissance offsite, the P-3 Sustainment Bridge was approved by the Chief of Naval Operations. This resulted in P-3C inventory levels being reduced from 227 to 148. The foundational element of this bridge was optimizing the P-3 fleet by investing manpower, Avionics Depot Level Repairable and Flying Hour Program savings into the resulting smaller P-3 force to produce a better productive ratio of aircraft. This investment allows the P-3 force to be smaller, more ready and more capable.												
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 Procurment, 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 FY2015 (as approved via 5 year rule waivers) is to continue aircraft sustainment, including: USQ-78 improvements (part of Updatelll), comm/nav/surveillance weapon system improvements, upgrades/modifications to airframe components/systems (including outer wing replacements),safety improvements and key system obsolescence upgrades. The specific modifications budgeted and programmed are:												

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014						
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 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / UPDT III BLK UPRDE(OSIP 080-84)	P-3a		-	-	1,327.004	-	-	9.174	-	-	2.420	-	-	-	-	-	-	-	-	-
P-3a - 2 / CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85)	P-3a		-	-	39.408	-	-	0.360	-	-	0.467	-	-	-	-	-	-	-	-	-
P-3a - 3 / ASUW IMPROV. PROG.(OSIP 029-94)	P-3a		-	-	1,454.552	-	-	16.500	-	-	2.934	-	-	-	-	-	-	-	-	-
P-3a - 4 / CNS-ATM(OSIP 013-01)	P-3a		-	-	174.546	-	-	38.581	-	-	0.742	-	-	-	-	-	-	-	-	-
P-3a - 5 / P-3 READINESS IMPROVEMENT(OSIP 004-04)	P-3a		-	-	227.814	-	-	2.670	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 6 / SSI-K(OSIP 005-05)	P-3a		-	-	1,351.204	-	-	39.660	-	-	26.712	-	-	0.500	-	-	-	-	-	0.500
P-3a - 7 / PROJECT K-0416(OSIP 005-07)	P-3a		-	-	13.506	-	-	2.160	-	-	2.164	-	-	-	-	-	-	-	-	-
P-3a - 8 / P-3 MISSION SYSTEMS(OSIP 006-08)	P-3a		-	-	35.765	-	-	5.370	-	-	1.349	-	-	2.323	-	-	-	-	-	2.323
P-3a - 9 / Inactive OSIPs	P-3a		-	-	126.443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	4,750.242	-	-	114.475	-	-	36.788	-	-	2.823	-	-	-	-	-	2.823
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / UPDT III BLK UPRDE(OSIP 080-84)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,338.598
P-3a - 2 / CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.235
P-3a - 3 / ASUW IMPROV. PROG.(OSIP 029-94)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,473.986
P-3a - 4 / CNS-ATM(OSIP 013-01)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	213.869
P-3a - 5 / P-3 READINESS IMPROVEMENT(OSIP 004-04)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	230.484
P-3a - 6 / SSI-K(OSIP 005-05)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,418.076
P-3a - 7 / PROJECT K-0416(OSIP 005-07)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.830

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014

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			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 8 / P-3 MISSION SYSTEMS(OSIP 006-08)	P-3a		-	-	7.121	-	-	4.032	-	-	3.100	-	-	3.206	-	-	-	-	-	62.266
P-3a - 9 / Inactive OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126.443
Total Gross/Weapon System Cost			-	-	7.121	-	-	4.032	-	-	3.100	-	-	3.206	-	-	-	-	-	4,921.787

*For the P-3a, Title represents the Modification Number / Title.

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

Justification:
The P-3 Orion modification budget begins a steep decline starting in FY14 due to scheduled transition from P-3 to P-8. 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,327.004	9.174	2.420	-	-	-	-	-	-	-	-	1,338.598
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,327.004	9.174	2.420	-	-	-	-	-	-	-	-	1,338.598
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,327.004	9.174	2.420	-	-	-	-	-	-	-	-	1,338.598

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
3. FY10 procurement deliveries for APTR will commence 1st quarter FY14. 4. Installs for APTR Retrofit Card Sets were originally planned for O-level now require Depot Level Field Mod Team. FY 10/11 kits procured on same contract action (4/11).		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 Kits - Organic	658 / 98.787	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	658 / 98.787	
Subtotal: Recurring	- / 98.787	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 98.787	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 64.450	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 64.450	
Subtotal: Non-Recurring	- / 64.450	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 64.450	
B Kits													
Recurring													
2.1.1) Prior Year Equipment - Organic	2,314 / 702.305	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,314 / 702.305	
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	
2.1.4) USQ 78 Sono Receiver Upgrade - NonOrganic	65 / 45.867	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	65 / 45.867	
2.1.6) Inactive Prior Year Installations - Organic	508 / 38.981	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	508 / 38.981	
Subtotal: Recurring	- / 812.414	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 812.414	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 122.325	- / 1.101	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 123.426	
Subtotal: Non-Recurring	- / 122.325	- / 1.101	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 123.426	
Subtotal: UPDT III BLK UPGRDE(OSIP 080-84)	3,621 / 1,097.976	- / 1.101	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3,621 / 1,099.077	
Subtotal: Procurement, All Modification Items	- / 1,097.976	- / 1.101	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,099.077	
Support (All Modification Items)													
3.1) ECO	- / 4.001	- / 0.346	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.547	
3.2) USQ-78B System Controller ECP	- / 1.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.850	
3.3) USQ-78 Sono-Receiver ECP	- / 5.300	- / 3.071	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.371	
3.4) Data	- / 17.354	- / 0.170	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.524	
3.5) Training Equipment	76 / 28.225	- / 0.208	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 28.433	
3.6) Support Equipment	- / 2.753	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.753	
3.7) ILS	- / 3.581	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.581	
3.8) Other Support	- / 160.325	- / 3.078	- / 0.870	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 164.273	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	
3.9) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 223.389	- / 6.873	- / 1.070	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 231.332	
Installation													
<i>Modification Item 1 of 1:</i> UPDT III BLK UPGRDE(OSIP 080-84)	- / 5.639	- / 1.200	- / 1.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.189	
<i>Subtotal: Installation</i>	- / 5.639	- / 1.200	- / 1.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.189	
Total													
Total Cost (Procurement + Support + Installation)	1,327.004	9.174	2.420	-	-	-	-	-	-	-	-	1,338.598	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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 UPRDE(OSIP 080-84)				
Modification Item 1 of 1: UPDT III BLK UPRDE(OSIP 080-84)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: TBD-Update III ARTR ⁽¹⁾							Manufacturer Location: >Various					
Administrative Leadtime (in Months): 0							Production Leadtime (in Months): 0					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Manufacturer Name: TBD - Update III APTR ⁽²⁾							Manufacturer Location: >Various					
Administrative Leadtime (in Months): 0							Production Leadtime (in Months): 0					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Manufacturer Name: TBD - Update III APTR Retrofit Card Sets							Manufacturer Location: >Various					
Administrative Leadtime (in Months): 0							Production Leadtime (in Months): 0					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Installation Information												
Method of Implementation: NADEP, JAX; ON-SITE CONTRACTOR FIELD MOD TEAM : Installation Name: USQ78 APTR Retrofit Card Sets												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.105	47 / 0.705	10 / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	64 / 0.960
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: NADEP, JAX; ON-SITE CONTRACTOR FIELD MOD TEAM : Installation Name: USQ78 APTR Retrofit Card Sets

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	7 / 0.105	47 / 0.705	10 / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	64 / 0.960

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	13	12	12	10	3	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64
Out	7	13	12	12	10	3	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64

Method of Implementation: NADEP, JAX, ON-SITE BY CONTRACTOR FIELD MOD TEAM : Installation Name: USQ 78 APTR Upgrade Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.200
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	12 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.200

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Out	-	-	-	-	-	-	2	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: NADEP JAX, ON-SITE BY FIELD MOD TEAM : Installation Name: USQ 78 Sono Receiver Upgrade

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 5.534	6 / 0.495	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	65 / 6.029
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	59 / 5.534	6 / 0.495	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	65 / 6.029

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65
Out	59	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65

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

Installation Quantity: 658

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

Installation Quantity: 2314

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

Installation Quantity: 508

Method of Implementation (Organic): Not Installed - Training Equipment

Installation Quantity: 76

Footnotes:

⁽¹⁾ Sono Receiver (Acoustic Receiver Tech Refresh)

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

(2) Acoustic Processor Tech Refresh

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	39.408	0.360	0.467	-	-	-	-	-	-	-	-	40.235
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	39.408	0.360	0.467	-	-	-	-	-	-	-	-	40.235
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	39.408	0.360	0.467	-	-	-	-	-	-	-	-	40.235
(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>	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date.												
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, avionics, or procedures.												
Following Engineering Change Proposal (ECPs) completed in Prior Years:SINGLE ARMAMENT CONTROL PANEL ECP JAX P3-649; KAPTON WIRING REPLACEMENT MOD ECP JAX P3-610; E-J RECEIVER MOD AN/ALR-66 B(V)3 ECP LITTON 970; APS-115 FEEDBALL MODIFICATION ECP CUBIC 2509-02F3; P-3 PILOT/COPILOT/ PLANE CAPTAIN SEAT MODIFICATION FOR THE MA-16 INERTIA REEL ECP JAX P3-519; Digital Autopilot; STANDBY ATTITUDE INDICATOR (PEANUT GYRO) ECP BFGAAS ID-1481A/A-25583-48; Infra-Red (IR) Strobes ECP JAX P3-776												
Active ECPs:												
STANDBY ATTITUDE INDICATOR (PEANUT GYRO) ECP BFGAAS D-1481A A-25583-48: This ECP modifies the P-3C Standby Attitude Indicator (Peanut Gyro) to operate with a Direct Current power service on Alternating Current power. This modification is planned for 148 P-3C's and 11 trainers.												
IR Strobes ECP JAX P3-776: FY-02 Defense Emergency Response Fund funding for 100 IR strobes for P-3 aircraft. An additional 14 IR Strobe kits procured with FY 05 funds.												
Other Possible ECPs being considered include Explosive Suppressant Foam Installation in Fuel Tanks (ECP Pax P3-518AFC-517)- This ECP provides for the installation of explosive suppressant foam in P-3C aircraft.												
Lighted Turn and Slip Indicator (LIGHTED INCLINOMETER) ECP Pax CNS 001: This ECP replaces the existing P-3 Turn & Slip Indicator with a Lighted Turn & Slip Indicator for better improved cockpit awareness in reduced lighting conditions. O-level installation.												
GPS Anti-Jam Antenna System (GAS-1) Antenna ECP(NAWCAD PAX-CNS-002/AFC-788): provides for the removal of the existing Fixed Reception Pattern Antenna and associated equipment and replace with the Controlled Radiation Pattern Antenna, AS-3821A/ARN and one of the following antenna electronics units, AS-4555/AR, AS-4555A/AR, ADAP ELECTRONICS, AS-4616A0. 81 Kits and 40 Installations funded FY-11 (last year funded) & prior by Program Manager Warfare/Air (PMW/A-170) (OSIP 71-88). Remaining installs to be funded under this Operational, Safety and Improvement Program (OSIP).												
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:												

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
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. 2. Forty (40) Prior year GAS-1 funded kits under Space and Naval Warfare Systems Command 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 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽³⁾	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)	- / 0.000	- / 0.360	- / 0.367	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.727	
Subtotal: Installation	- / 0.000	- / 0.360	- / 0.367	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.727	

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)		39.408	0.360	0.467	-	-	-	-	-	-	-	40.235	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																							
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)																																	
Modification Item MDAP/MAIS Code:																																	
Manufacturer Information																																	
Manufacturer Name: Manufacturer Name Not Provided.															Manufacturer Location: Manufacturer Location Not Provided.																		
Administrative Leadtime (in Months):															Production Leadtime (in Months):																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019							
Contract Dates																																	
Delivery Dates																																	
Installation Information																																	
Method of Implementation: Contractor Field Team : Installation Name: GAS-1																																	
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total																				
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
Total		- / -	20 / 0.360	20 / 0.367	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.727																				
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40		
Out	-	-	5	5	5	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 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Prior Year Inactive Installations		Installation Quantity: 3
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 11
Footnotes: ⁽³⁾ 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,454.552	16.500	2.934	-	-	-	-	-	-	-	-	1,473.986
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,454.552	16.500	2.934	-	-	-	-	-	-	-	-	1,473.986
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,454.552	16.500	2.934	-	-	-	-	-	-	-	-	1,473.986
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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. Additional funding in FY1995 and FY1996 was utilized to meet an urgent fleet requirement to upgrade 17 Pre-ASuW Improvement Program (AIP) aircraft with Maverick armament control kits. FY2005 Emergency Supplemental Appropriation for Defense (ESAD) funds were provided to procure and install additional TCDL systems. 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; TCDL; Recorders 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 TCDL) not separately priced.
2. AIP prior year TCDL kits funded with Congressional Add and ESAD funds.
3. Phased Capability Upgrade (MST) prior year kits include two (2) lab assets.
4. FY08 C4 for ASW Kits Procured With Cong Add.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
5. Install unit cost dependent on number of installs accomplished by Government and Contractor install teams. 6. Two HF-IP Kits are to be installed in trainers and one in the Program Hardware Integration Center. 7. 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 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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		50 / 30.232	5 / 3.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 33.232	
2.1.2) C4 FOR ASW (INMARSAT/ITP) - Organic		50 / 30.276	5 / 2.554	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 32.830	
2.1.3) HFIP - NonOrganic		47 / 4.050	8 / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 4.850	
2.1.4) Prior Year Equipment - Organic		106 / 354.618	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	106 / 354.618	
2.1.5) Full Motion Video (FMV) Metadata - Organic		20 / 1.307	35 / 2.485	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 3.792	
2.1.6) Prior Year Inactive Installations - Organic		217 / 138.443	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	217 / 138.443	
Subtotal: Recurring		- / 558.926	- / 8.839	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 567.765	
Non-Recurring													
2.2.1) Install Equipment N/R - Organic		- / 100.826	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 100.826	
2.2.2) Install Equipment N/R (FMV OCO) - Organic		- / 1.245	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.245	
Subtotal: Non-Recurring		- / 102.071	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 102.071	
Subtotal: ASUW IMPROV. PROG.(OSIP 029-94)		605 / 1,088.621	53 / 8.839	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	658 / 1,097.460	
Subtotal: Procurement, All Modification Items		- / 1,088.621	- / 8.839	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,097.460	
Support (All Modification Items)													
3.1) ALR-95 Upgrades ECO		- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.300	
3.2) Digital Stores Management System ECO		- / 11.934	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.934	
3.3) SLAM-ER ECO		- / 23.804	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.804	
3.4) C4 FOR ASW ECO		- / 0.829	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.929	
3.5) PYLON MODS ECO		- / 0.409	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.409	
3.6) Data		- / 18.777	- / 0.201	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.978	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
3.7) Training Equipment	- / 85.237	- / 0.177	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 85.414	
3.8) Support Equipment	- / 14.467	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.467	
3.9) ILS	- / 17.054	- / 0.200	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.454	
3.10) ILS (FMV OCO)	- / 0.263	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.263	
3.11) Other Support	- / 184.714	- / 2.233	- / 0.629	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 187.576	
3.12) Other Support (FMV OCO)	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.300	
3.13) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 358.088	- / 2.911	- / 0.829	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 361.828	
Installation													
Modification Item 1 of 1: ASUW IMPROV. PROG.(OSIP 029-94)	- / 7.843	- / 4.750	- / 2.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.698	
Subtotal: Installation	- / 7.843	- / 4.750	- / 2.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.698	
Total													
Total Cost (Procurement + Support + Installation)	1,454.552	16.500	2.934	-	-	-	-	-	-	-	-	1,473.986	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: TBD- AIP C4 for ASW ⁽⁴⁾							Manufacturer Location: >Various					
Administrative Leadtime (in Months): 4							Production Leadtime (in Months): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Feb 2013											
Delivery Dates	Nov 2013											
Manufacturer Name: TBD - AIP HF-IP ⁽⁵⁾							Manufacturer Location: >Various					
Administrative Leadtime (in Months): 5							Production Leadtime (in Months): 11					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Feb 2013											
Delivery Dates	Feb 2014											
Installation Information												
Method of Implementation: Contractor Field Mod Team : Installation Name: C4 FOR ASW LINK-16												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 4.878	18 / 2.880	3 / 0.489	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 8.247
FY 2013	- / -	- / -	5 / 0.816	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.816
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	29 / 4.878	18 / 2.880	8 / 1.305	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 9.063

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014										
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)																																	
Modification Item MDAP/MAIS Code:																																	
Installation Information																																	
Method of Implementation: Contractor Field Mod Team : Installation Name: C4 FOR ASW LINK-16																																	
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	4	5	5	4	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	26	3	4	5	5	4	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Method of Implementation: Contractor Field Mod Team : Installation Name: HFIP																																	
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		30 / 2.965	17 / 1.870	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 4.835																				
FY 2013		- / -	- / -	8 / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.800																				
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
Total		30 / 2.965	17 / 1.870	8 / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 5.635																				
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	4	5	5	3	-	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	27	3	4	5	5	3	-	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Method of Implementation (Organic): Not Installed - Prior Year Kits																							Installation Quantity: 115										
Method of Implementation (Organic): Not Installed - C4 FOR ASW (INMARSAT/ITP)																							Installation Quantity: 55										

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Prior Year Equipment		Installation Quantity: 106
Method of Implementation (Organic): Not Installed - Full Motion Video (FMV) Metadata		Installation Quantity: 55
Method of Implementation (Organic): Not Installed - Prior Year Inactive Installations		Installation Quantity: 217
Footnotes: (4) FY08 Kits Procured With Congressional Add; Install unit cost dependent on number of installs accomplished by Government and Contractor install teams. (5) Two kits are to be installed in trainers and one in the PHIC		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	174.546	38.581	0.742	-	-	-	-	-	-	-	-	213.869
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	174.546	38.581	0.742	-	-	-	-	-	-	-	-	213.869
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	174.546	38.581	0.742	-	-	-	-	-	-	-	-	213.869
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 Operational, Safety, and Improvement Program provides non-recurring engineering (NRE) for the development of the CNS/ATM architecture for the P-3 aircraft which includes a FMS/Contol Display Unit(CDU), digital air data computer (DADC) and an Electronic Flight Display Systems (EFDS). 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. FY13 funds for Traffic Collision Avoidance System (TCAS) in all variants of P-3 (55 AIP/19 BMUP/12 EP-3) and will be installed separately or in conjunction with RNAV Mode S.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Acquisition Strategy approved 21 November 03/Aquisition Category IV/M. 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. EFDS funded under GPS OSIP 28-92.
2. APX-118 and RING-U funding in FY04 is for TKIs
3. Beginning in FY-04, PMA-209 funded NRE, equipment and installs for ARC-210 VHF radio, APX-118, MLR-2020 and RINU-G.
4. RNAV Mode-S P-3C Prototype NRE, prototype kit and prototype installation funded in FY02 with Congressional Plus-Up.
5. RNAV Mode-S Installs include trainers.
6. RNAV MODE S installs begin in FY05 and consist of FMS/CDU 7000, Digital Air Data Computer (DADC/Air Data Display Unit), Common Identification Friend or Foe Digital Transponder(CXP) and

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
RINU-G. CXP & RINU-G Funded by PMA-209. 7. Final RNAV Mode S 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. 8. 60 Prior year EFDS funded kits under GPS OSIP 29-92 9. EFDS Installs include trainers. 10 Final EFDS Quantity of 149 equals 123 active P-3Cs, 16 EP-3 and 10 P-3Cs that received EFDS that have been or will be struck. 11. FY13 TCAS initially funded with Overseas Contingency Operations (OCO). 12. \$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.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) 5VAC RED LIGHTING BUS - NonOrganic	132 / 0.191	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	132 / 0.191	
1.1.2) EFDS - NonOrganic	149 / 9.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	149 / 9.424	
1.1.3) TCAS - Organic	- / -	48 / 3.675	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 3.675	
1.1.4) RNAV/MODE S - NonOrganic	136 / 13.809	2 / 0.169	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	138 / 13.978	
1.1.5) Prior Year Kits-Organic - Organic	151 / 0.957	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	151 / 0.957	
Subtotal: Recurring	- / 24.381	- / 3.844	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 28.225	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 11.093	- / 2.697	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.790	
Subtotal: Non-Recurring	- / 11.093	- / 2.697	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.790	
B Kits													
Recurring													
2.1.1) Digital ADC - Organic	298 / 8.018	4 / 0.115	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	302 / 8.133	
2.1.2) EFDS - Organic	166 / 13.836	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	166 / 13.836	
2.1.3) FMS/CDU 7000 (3 per A/C) - Organic	438 / 20.688	6 / 0.322	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	444 / 21.010	
2.1.4) TCAS - NonOrganic	- / -	48 / 6.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 6.063	
2.1.5) Prior Year Equipment - Organic - Organic	444 / 8.942	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	444 / 8.942	
2.1.6) Prior Year Inactive Installations - Organic	69 / 0.201	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	69 / 0.201	
Subtotal: Recurring	- / 51.685	- / 6.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 58.185	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 15.009	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.009	
Subtotal: Non-Recurring	- / 15.009	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.009	
Subtotal: CNS-ATM(OSIP 013-01)	1,983 / 102.168	108 / 13.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,091 / 115.209	
Subtotal: Procurement, All Modification Items	- / 102.168	- / 13.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 115.209	
Support (All Modification Items)													
3.1) ADDU MOD FOR OP TRAINERS ECO	18 / 0.093	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.093	
3.2) CDU 7000 SERVICE BULLETINS ECO	- / 0.512	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.512	
3.3) JUMPS SOFTWARE ECO	- / 1.412	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.412	
3.4) TCAS ECO	- / -	- / 1.954	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.954	
3.5) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Data	- / 4.315	- / 1.283	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.598	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
3.7) Training Equipment	22 / 1.938	- / 1.239	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 3.177
3.8) Support Equipment	- / 0.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.055
3.9) ILS	- / 4.370	- / 1.850	- / 0.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.275
3.10) Other Support	- / 27.253	- / 4.088	- / 0.327	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 31.668
3.11) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.12) New Cost Element	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 39.948	- / 10.414	- / 0.382	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 50.744
Installation												
Modification Item 1 of 1: CNS-ATM(OSIP 013-01)	- / 32.430	- / 15.126	- / 0.360	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 47.916
Subtotal: Installation	- / 32.430	- / 15.126	- / 0.360	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 47.916
Total												
Total Cost (Procurement + Support + Installation)	174.546	38.581	0.742	-	-	-	-	-	-	-	-	213.869

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014						
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)													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: TBD - CNS - RNAV MODE S ⁽⁶⁾							Manufacturer Location: >Various						
Administrative Leadtime (in Months): 3							Production Leadtime (in Months): 10						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Dec 2012												
Delivery Dates	Sep 2013												
Manufacturer Name: TBD - CNS EFDS ⁽⁷⁾							Manufacturer Location: >Various						
Administrative Leadtime (in Months): 0							Production Leadtime (in Months): 0						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates													
Delivery Dates													
Manufacturer Name: TBD - CNS 5V Lighting							Manufacturer Location: >Various						
Administrative Leadtime (in Months): 0							Production Leadtime (in Months): 0						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates													
Delivery Dates													
Manufacturer Name: TBD - CNS TCAS ⁽⁸⁾							Manufacturer Location: >Various						
Administrative Leadtime (in Months): 11							Production Leadtime (in Months): 4						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Aug 2013												
Delivery Dates	Dec 2013												
Installation Information													
Method of Implementation: Contractor Field Team : Installation Name: 5VAC RED LIGHTING BUS													
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Prior Years	124 / 0.266	8 / 0.022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	132 / 0.288	
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Team : Installation Name: 5VAC RED LIGHTING BUS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	124 / 0.266	8 / 0.022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	132 / 0.288

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	124	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	132
Out	124	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	132

Method of Implementation: Contractor Field Team : Installation Name: EFDS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	147 / 12.384	2 / 0.245	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	149 / 12.629
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	147 / 12.384	2 / 0.245	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	149 / 12.629

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Team : Installation Name: EFDS

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	147	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	149
Out	147	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	149

Method of Implementation: Contractor Field Mod Team : Installation Name: RNAV/MODE S

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	118 / 19.780	18 / 2.681	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	136 / 22.461
FY 2013	- / -	- / -	2 / 0.360	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.360
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	118 / 19.780	18 / 2.681	2 / 0.360	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	138 / 22.821

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	118	6	7	5	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	138		
Out	116	2	6	7	5	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	138		

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2015 Navy										Date: March 2014																							
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)																																	
Modification Item MDAP/MAIS Code:																																	
Installation Information																																	
Method of Implementation: Contractor Field Mod Team : Installation Name: TCAS																																	
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>																			
		- / -	- / 12.178	48 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 12.178																				
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		- / -	- / 12.178	48 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 12.178																				
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	14	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48		
Out	-	-	-	-	-	-	4	14	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48		
Method of Implementation (Organic): Not Installed - TCAS																														Installation Quantity: 48			
Method of Implementation (Organic): Not Installed - Prior Year Kits-Organic																														Installation Quantity: 151			
Method of Implementation (Organic): Not Installed - Digital ADC																														Installation Quantity: 302			
Method of Implementation (Organic): Not Installed - EFDS																														Installation Quantity: 166			
Method of Implementation (Organic): Not Installed - FMS/CDU 7000 (3 per A/C)																														Installation Quantity: 444			
Method of Implementation (Organic): Not Installed - Prior Year Equipment - Organic																														Installation Quantity: 444			

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Prior Year Inactive Installations		Installation Quantity: 69
Method of Implementation (Organic): Not Installed - ADDU MOD FOR OP TRAINERS ECO		Installation Quantity: 18
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 22
Footnotes: (6) Installs include trainers. Finanl 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. (7) Installs include trainers. Final quantity of 149 equals 123 active P-3Cs, 16 EP-3 and 10 P-3Cs that received EFDS that have been or will be struck. (8) FY14 installs will be funded with FY13 funding.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 5 / P-3 READINESS IMPROVEMENT(OSIP 004-04)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	227.814	2.670	-	-	-	-	-	-	-	-	-	230.484
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	227.814	2.670	-	-	-	-	-	-	-	-	-	230.484
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	227.814	2.670	-	-	-	-	-	-	-	-	-	230.484

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The purpose of this program is to incorporate a number of cost effective changes to the P-3/EP-3 weapon system, specifically targeting improvements to high cost and maintenance and obsolete readiness degrader items. These improvements are a vital element of the P-3/EP-3 sustainment bridge, significantly enhancing the strategy of a smaller, more ready, more capable P-3/EP-3 force during the bridge to Multi-Mission Maritime Aircraft (MMA). The increased readiness and capabilities that will be realized, support the foundational sustainment bridge elements, specifically operational availability and common configuration. Planned improvements under this Operational, Safety, and Improvement Program cover airframe, propulsion and avionics related subsystems, utilizing Commercial Off-The-Shelf Systems (COTS) technology to the maximum extent practicable to minimize development and procurement costs, and to reduce the time to field the improved systems. The systems identified for replacement include High Frequency (HF) Radio, HF-Internet Protocol (IP), Data Link, InfraRed Detection System, Autopilot, Inter Communication System, Magnetic Anomaly Detector (MAD), and Radar. Additionally, systems being evaluated for replacement include Identification, Friend or Foe Interrogator Set, and Magnetic Tape Recorder/Reproducer.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The Critical Obsolescence Program(COP) Navy Program Decision Memorandum authorizing Milstone-C / Low Rate Initial Production was approved 26 March 2004. The COP Acquisition Decision Memorandum authorizing Full Rate Production was approved 15 March 2006.

Notes:

1. HF-IP transferred to Anti-Surface Warfare Improvement Program in OSIP 29-94
2. Prior year buy of (3) Digital MAD Kits will not be installed due to cancellation of program.
3. FY11/12 Other Support includes Digital Auto Pilot System V1.07 Software development upgrade and test.
4. Installation schedule based on Aircraft and Depot level availability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 5 / P-3 READINESS IMPROVEMENT(OSIP 004-04)					
Models of Systems Affected: P-3/EP-3				Modification Type: Readiness Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 READINESS IMPROVEMENT(OSIP 004-04)													
A Kits													
Recurring													
1.1.1) Auto-Pilot Kit - Organic	136 / 8.785	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	136 / 8.785	
1.1.2) HF Radio/Data Link Kit - Organic	126 / 13.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	126 / 13.041	
1.1.3) Prior Year Kits - Organic - Organic	71 / 1.723	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	71 / 1.723	
Subtotal: Recurring	- / 23.549	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.549	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 5.036	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.036	
Subtotal: Non-Recurring	- / 5.036	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.036	
B Kits													
Recurring													
2.1.1) Auto Pilot System - NonOrganic	136 / 35.568	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	136 / 35.568	
2.1.2) HF Radio/Data Link System - NonOrganic	126 / 43.587	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	126 / 43.587	
2.1.3) Prior Year Equipment - Organic - Organic	71 / 26.617	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	71 / 26.617	
2.1.4) Prior Year Inactive Installations - Organic	60 / 2.458	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 2.458	
Subtotal: Recurring	- / 108.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 108.230	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 15.930	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.930	
Subtotal: Non-Recurring	- / 15.930	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.930	
Subtotal: P-3 READINESS IMPROVEMENT(OSIP 004-04)	726 / 152.745	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	726 / 152.745	
Subtotal: Procurement, All Modification Items	- / 152.745	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 152.745	
Support (All Modification Items)													
3.1) ECO	- / 0.946	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.046	
3.2) Data	- / 7.564	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.564	
3.3) Training Equipment	- / 9.928	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.928	
3.4) Support Equipment	- / 3.360	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.360	
3.5) ILS	- / 6.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.396	
3.6) Other Support	- / 31.182	- / 0.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 31.647	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series						Modification Number / Title: 5 / P-3 READINESS IMPROVEMENT(OSIP 004-04)			
Models of Systems Affected: P-3/EP-3				Modification Type: Readiness Improvement						Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	- / 59.376	- / 0.565	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 59.941	
Installation													
<i>Modification Item 1 of 1:</i> P-3 READINESS IMPROVEMENT(OSIP 004-04)	- / 15.693	- / 2.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.798	
<i>Subtotal: Installation</i>	- / 15.693	- / 2.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.798	
Total													
Total Cost (Procurement + Support + Installation)	227.814	2.670	-	-	-	-	-	-	-	-	-	230.484	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 5 / P-3 READINESS IMPROVEMENT(OSIP 004-04)				
Modification Item 1 of 1: P-3 READINESS IMPROVEMENT(OSIP 004-04)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: TBD - COP HF Radio/Data Link ⁽⁹⁾							Manufacturer Location: >TBD					
Administrative Leadtime (in Months): 0							Production Leadtime (in Months): 0					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Manufacturer Name: TBD - COP Digital Auto Pilot ⁽¹⁰⁾							Manufacturer Location: >TBD					
Administrative Leadtime (in Months): 0							Production Leadtime (in Months): 0					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Installation Information												
Method of Implementation: Contractor Mod Teams : Installation Name: Auto Pilot System												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	123 / 8.520	13 / 0.910	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	136 / 9.430
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	123 / 8.520	13 / 0.910	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	136 / 9.430

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014										
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1											P-1 Line Item Number / Title: 0538 / P-3 Series											Modification Number / Title: 5 / P-3 READINESS IMPROVEMENT(OSIP 004-04)											
Modification Item 1 of 1: P-3 READINESS IMPROVEMENT(OSIP 004-04)																																	
Modification Item MDAP/MAIS Code:																																	
Installation Information																																	
Method of Implementation: Contractor Mod Teams : Installation Name: Auto Pilot System																																	
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	123	4	4	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136	
Out	123	4	4	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136	
Method of Implementation: Contractor Mod Teams : Installation Name: HF Radio/Data Link System																																	
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total									
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 / 7.173		18 / 1.195		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		126 / 8.368							
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		108 / 7.173		18 / 1.195		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		126 / 8.368							
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	5	5	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126	
Out	108	5	5	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126	
Method of Implementation (Organic): Not Installed - Auto-Pilot Kit																																	
																							Installation Quantity: 136										
Method of Implementation (Organic): Not Installed - HF Radio/Data Link Kit																																	
																							Installation Quantity: 126										

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 5 / P-3 READINESS IMPROVEMENT(OSIP 004-04)
Modification Item 1 of 1: P-3 READINESS IMPROVEMENT(OSIP 004-04)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Prior Year Kits - Organic		Installation Quantity: 71
Method of Implementation (Organic): Not Installed - Prior Year Equipment - Organic		Installation Quantity: 71
Method of Implementation (Organic): Not Installed - Prior Year Inactive Installations		Installation Quantity: 60
Footnotes: ⁽⁹⁾ Installation schedule based on Aircraft and Depot level availability. ⁽¹⁰⁾ Installation schedule based on Aircraft and Depot Level availability.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 6 / SSI-K(OSIP 005-05)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	1,351.204	39.660	26.712	0.500	-	0.500	-	-	-	-	-	1,418.076
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	1,351.204	39.660	26.712	0.500	-	0.500	-	-	-	-	-	1,418.076
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	1,351.204	39.660	26.712	0.500	-	0.500	-	-	-	-	-	1,418.076

(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>	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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. FY-09 Overseas Contingency Operations (OCO) funds 6 Zone 5 Installs in FY-09 and 6 Zone 5 Installs in FY-10.
4. FY-10 OCO funds 2 Outer Wing Installs in FY-10 and 6 Outer Wing Installs in FY-11.
5. 12 SSI-K Installs are for EP-3 aircraft
6. FY08 Outer Wing Kits procured with FY08 Supplemental Funds
7. Reduction in FY11 Outer Wing install quantities reflects \$35M Congressional Mark.
8. 27 Zone 5 Installs funded with FY08 Supplemental; 3 in FY08 and 24 in FY09
9. 12 Zone 5 Installs funded with FY09 OCO; 6 in FY09 and 6 in FY10
10. 12 Zone 5 Installs are for EP-3 aircraft
11. FY15 Other Support Costs required to support completion of long lead time installations.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 6 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) Center Box Kit - NonOrganic	18 / 7.322	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 7.322	
1.1.2) Zone 5 Mitigation Kit - NonOrganic	30 / 13.280	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 13.280	
1.1.3) Outer Wing Replacement Kit - NonOrganic	12 / 150.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 150.004	
1.1.4) SSI-K Kits (A-Kits) - NonOrganic	69 / 56.006	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	69 / 56.006	
1.1.5) Supplemental SSIK Kit - NonOrganic	13 / 10.101	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 10.101	
1.1.6) Supplemental Zone 5 Kit - NonOrganic	36 / 15.286	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 15.286	
1.1.7) Supplemental Center Box Kit - NonOrganic	24 / 5.719	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 5.719	
1.1.8) Supplemental OW Replacement Kit - NonOrganic	17 / 210.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 210.333	
1.1.9) Prior Year Kits - Organic - Organic	7 / 13.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 13.490	
Subtotal: Recurring	- / 481.541	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 481.541	
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)	226 / 491.249	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	226 / 491.249	
Subtotal: Procurement, All Modification Items	- / 491.249	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 491.249	
Support (All Modification Items)													
3.1) Center Wing Fabrication ECO	- / 0.075	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.075	
3.2) SSI-K Kit ECP ECO	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.300	
3.3) Outer Wing Kit ECP ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Data	- / 2.198	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.198	
3.5) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Support Equipment	- / 16.876	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.876	
3.7) ILS	- / 8.557	- / 1.167	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.724	
3.8) Other Support	- / 84.977	- / 6.533	- / 2.465	- / 0.500	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / 94.475	
3.9) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 112.983	- / 7.700	- / 2.465	- / 0.500	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / 123.648	
Installation													
Modification Item 1 of 1: SSI-K(OSIP 005-05)	- / 746.972	- / 31.960	- / 24.247	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 803.179	
Subtotal: Installation	- / 746.972	- / 31.960	- / 24.247	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 803.179	

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series					Modification Number / Title: 6 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)	1,351.204	39.660	26.712	0.500	-	0.500	-	-	-	-	-	1,418.076	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 6 / SSI-K(OSIP 005-05)					
Modification Item 1 of 1: SSI-K(OSIP 005-05)													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: Various - SSIK/SSI-K Kits ⁽¹¹⁾							Manufacturer Location: >TBD						
Administrative Leadtime <i>(in Months)</i> : 0							Production Leadtime <i>(in Months)</i> : 0						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates													
Delivery Dates													
Manufacturer Name: Various - SSIK Center Box							Manufacturer Location: >TBD						
Administrative Leadtime <i>(in Months)</i> : 3							Production Leadtime <i>(in Months)</i> : 12						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates													
Delivery Dates													
Manufacturer Name: Various - SSIK Outer Wing Replacement Kits ⁽¹²⁾							Manufacturer Location: >TBD						
Administrative Leadtime <i>(in Months)</i> : 0							Production Leadtime <i>(in Months)</i> : 0						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates													
Delivery Dates													
Manufacturer Name: Various - SSIK Zone 5 Mitigation Kits ⁽¹³⁾							Manufacturer Location: >TBD						
Administrative Leadtime <i>(in Months)</i> : 0							Production Leadtime <i>(in Months)</i> : 0						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates													
Delivery Dates													
Installation Information													
Method of Implementation: Contractor Field Mod Team : Installation Name: Center Box													
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	
Prior Years	39 / 24.492	3 / 1.359	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	42 / 25.851	
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 6 / SSI-K(OSIP 005-05)

Modification Item 1 of 1: SSI-K(OSIP 005-05)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: Center Box

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	39 / 24.492	3 / 1.359	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	42 / 25.851

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42
Out	32	3	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42

Method of Implementation: Contractor Field Mod Team : Installation Name: Zone 5 Mitigation Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	63 / 239.086	2 / 6.491	1 / 3.873	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	66 / 249.450
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	63 / 239.086	2 / 6.491	1 / 3.873	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	66 / 249.450

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0538 / P-3 Series					Modification Number / Title: 6 / SSI-K(OSIP 005-05)									

Modification Item 1 of 1: SSI-K(OSIP 005-05)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: Zone 5 Mitigation Kits

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	63	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
Out	55	3	3	2	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66

Method of Implementation: Contractor Field Mod Team : Installation Name: Outer Wing Replacement Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 61.801	4 / 16.300	3 / 12.432	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 90.533
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	14 / 61.801	4 / 16.300	3 / 12.432	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 90.533

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	2	2	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
Out	9	-	2	3	-	2	2	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21

Method of Implementation: Contractor Field Mod Team : Installation Name: SSI-K Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 421.593	1 / 7.810	1 / 7.942	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	82 / 437.345

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 6 / SSI-K(OSIP 005-05)

Modification Item 1 of 1: SSI-K(OSIP 005-05)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: SSI-K Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	80 / 421.593	1 / 7.810	1 / 7.942	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	82 / 437.345

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	
Out	80	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	

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

Installation Quantity: 7

Footnotes:

⁽¹⁾ 12 SSI-K Installs are for EP-3 Aircraft

⁽¹²⁾ FY08 Outer Wing Kits procured with FY08 Supplemental Funds; FY10 OCO funds 2 Outer Wing installs in FY-10 and 6 Outer Wing installs in FY11; Reduction in FY11 install quantities reflects \$35M Congressional Mark.

⁽¹³⁾ 27 Zone 5 installs funded with FY08 Supplemental; 3 in FY08 and 24 in FY09. 12 Zone 5 Installs funded with FY09 OCO; 6 in FY09 and 6 in FY10. 12 Zone 5 Installs are for EP-3 aircraft.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 7 / PROJECT K-0416(OSIP 005-07)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	13.506	2.160	2.164	-	-	-	-	-	-	-	-	17.830
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	13.506	2.160	2.164	-	-	-	-	-	-	-	-	17.830
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	13.506	2.160	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>	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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) commencing in FY15.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 7 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	40 / 3.628	6 / 0.637	6 / 0.649	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 4.914	
Subtotal: Recurring	- / 3.628	- / 0.637	- / 0.649	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.914	
Non-Recurring													
1.2.1) Installation Kit N/R - Organic	- / 0.592	- / 0.100	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.792	
Subtotal: Non-Recurring	- / 0.592	- / 0.100	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.792	
B Kits													
Recurring													
2.1.1) BT Tape Recorders - NonOrganic	40 / 5.441	6 / 0.956	6 / 0.975	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 7.372	
Subtotal: Recurring	- / 5.441	- / 0.956	- / 0.975	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.372	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 0.432	- / 0.038	- / 0.038	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.508	
Subtotal: Non-Recurring	- / 0.432	- / 0.038	- / 0.038	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.508	
Subtotal: PROJECT K-0416(OSIP 005-07)	80 / 10.093	12 / 1.731	12 / 1.762	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	104 / 13.586	
Subtotal: Procurement, All Modification Items	- / 10.093	- / 1.731	- / 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	- / 0.957	- / 0.100	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.157	
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support	- / 0.913	- / 0.098	- / 0.092	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.103	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 1.870	- / 0.198	- / 0.192	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.260	
Installation													
Modification Item 1 of 1: PROJECT K-0416(OSIP 005-07)	- / 1.543	- / 0.231	- / 0.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.984	
Subtotal: Installation	- / 1.543	- / 0.231	- / 0.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.984	
Total													

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LI 0538 - P-3 Series
Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy											Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1											P-1 Line Item Number / Title: 0538 / P-3 Series											Modification Number / Title: 7 / PROJECT K-0416(OSIP 005-07)										
Modification Item 1 of 1: PROJECT K-0416(OSIP 005-07)																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: TBD - K0416 BT Recorders													Manufacturer Location: >Various																			
Administrative Leadtime (<i>in Months</i>): 1													Production Leadtime (<i>in Months</i>): 4																			
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates		Nov 2012				Nov 2013																										
Delivery Dates		Mar 2013				Mar 2014																										
Installation Information																																
Method of Implementation: Depot Mod Team : Installation Name: BT Tape Recorders																																
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		40 / 1.543		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		40 / 1.543						
FY 2013		- / -		6 / 0.231		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 0.231						
FY 2014		- / -		- / -		6 / 0.210		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 0.210						
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		40 / 1.543		6 / 0.231		6 / 0.210		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		52 / 1.984						
Installation Schedule																																
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	-	2	2	2	-	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	
Out	40	-	2	2	2	-	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 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 8 / P-3 MISSION SYSTEMS(OSIP 006-08)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	35.765	5.370	1.349	2.323	-	2.323	7.121	4.032	3.100	3.206	-	62.266
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	35.765	5.370	1.349	2.323	-	2.323	7.121	4.032	3.100	3.206	-	62.266
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	35.765	5.370	1.349	2.323	-	2.323	7.121	4.032	3.100	3.206	-	62.266
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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: 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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 8 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	5 / 3.494	3 / 2.096	2 / 1.419	1 / 0.773	- / -	12 / 8.482
2.1.2) ADSS w/OASIS Functionality (IP Replacement) - Organic ⁽¹⁴⁾	25 / 2.672	14 / 2.088	1 / 0.171	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 4.931
2.1.3) Tactical Mission Computer - Organic	72 / 3.130	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 3.130
2.1.4) Advanced Data Storage System - Organic	8 / 0.100	4 / 0.050	4 / 0.054	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.204
2.1.5) BMUP Sustainment Upgrades - Organic	8 / 0.100	4 / 0.050	4 / 0.054	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.204
2.1.6) Fleet Response - Organic	14 / 0.100	7 / 0.050	7 / 0.054	7 / 0.056	- / -	7 / 0.056	8 / 0.070	- / -	- / -	- / -	- / -	43 / 0.330
2.1.7) P-3 Obsolescence Upgrades - Organic	14 / 0.100	7 / 0.050	7 / 0.054	7 / 0.056	- / -	7 / 0.056	8 / 0.070	- / -	- / -	- / -	- / -	43 / 0.330
2.1.8) Mode 5/S Transponder (APX-123) - Organic	- / -	- / -	- / -	- / 0.275	- / -	- / 0.275	- / 1.391	- / 0.886	- / 0.681	- / 1.433	- / -	- / 4.666
Subtotal: Recurring	- / 6.202	- / 2.288	- / 0.387	- / 1.087	- / -	- / 1.087	- / 5.025	- / 2.982	- / 2.100	- / 2.206	- / -	- / 22.277
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic	- / 6.804	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.804
Subtotal: Non-Recurring	- / 6.804	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.804
Subtotal: P-3 MISSION SYSTEMS(OSIP 006-08)	141 / 13.006	36 / 2.288	23 / 0.387	15 / 1.087	- / -	15 / 1.087	21 / 5.025	3 / 2.982	2 / 2.100	1 / 2.206	- / -	242 / 29.081
Subtotal: Procurement, All Modification Items	- / 13.006	- / 2.288	- / 0.387	- / 1.087	- / -	- / 1.087	- / 5.025	- / 2.982	- / 2.100	- / 2.206	- / -	- / 29.081
Support (All Modification Items)												
3.1) ECO ⁽¹⁵⁾	- / 6.032	- / 1.923	- / 0.319	- / 0.434	- / -	- / 0.434	- / 0.400	- / -	- / -	- / -	- / -	- / 9.108
3.2) Data ⁽¹⁶⁾	- / 0.364	- / -	- / -	- / 0.050	- / -	- / 0.050	- / 0.300	- / 0.100	- / 0.100	- / 0.100	- / -	- / 1.014
3.3) Training Equipment ⁽¹⁷⁾	- / 1.144	- / 0.025	- / -	- / 0.050	- / -	- / 0.050	- / 0.300	- / -	- / -	- / -	- / -	- / 1.519
3.4) Support Equipment	- / 0.249	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.274
3.5) ILS ⁽¹⁸⁾	- / 0.301	- / 0.050	- / 0.075	- / 0.050	- / -	- / 0.050	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.876
3.6) Other Support ⁽¹⁹⁾	- / 14.669	- / 1.059	- / 0.568	- / 0.652	- / -	- / 0.652	- / 0.996	- / 0.850	- / 0.800	- / 0.800	- / -	- / 20.394
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 22.759	- / 3.082	- / 0.962	- / 1.236	- / -	- / 1.236	- / 2.096	- / 1.050	- / 1.000	- / 1.000	- / -	- / 33.185
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0538 / P-3 Series						Modification Number / Title: 8 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)	35.765	5.370	1.349	2.323	-	2.323	7.121	4.032	3.100	3.206	-	62.266

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0538 / P-3 Series		Modification Number / Title: 8 / P-3 MISSION SYSTEMS(OSIP 006-08)		
Modification Item 1 of 1: P-3 MISSION SYSTEMS(OSIP 006-08)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - BMUP Tech Refresh/Insertion					Installation Quantity: 12		
Method of Implementation (Organic): Not Installed - ADSS w/OASIS Functionality (IP Replacement)					Installation Quantity: 40		
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: 43		
Footnotes: ⁽¹⁴⁾ FY13 to 14 - Unit Cost increase due to Economic Order Quantity (14 in FY13; 1 in FY14) ⁽¹⁵⁾ Increased costs for ECO are required to complete support of P3 Mission Systems Obsolescence modifications as the P3 transitions to P8 ⁽¹⁶⁾ Increased costs for Data are required to complete support of P3 Mission Systems Obsolescence modifications as the P3 transitions to P8 ⁽¹⁷⁾ Increased costs for Training Equipment are required to complete support of P3 Mission Systems Obsolescence modifications as the P3 transitions to P8 ⁽¹⁸⁾ Increased costs for ILS are required to complete support of P3 Mission Systems Obsolescence modifications as the P3 transitions to P8 ⁽¹⁹⁾ Increased costs for Other Support are required to complete support of P3 Mission Systems Obsolescence modifications as the P3 transitions to P8							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 9 / Inactive OSIPs

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	126.443	-	-	-	-	-	-	-	-	-	-	126.443
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	126.443	-	-	-	-	-	-	-	-	-	-	126.443
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	126.443	-	-	-	-	-	-	-	-	-	-	126.443
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0538 / P-3 Series					Modification Number / Title: 9 / Inactive OSIPs			
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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													
B Kits													
Non-Recurring													
2.2.1) Inactive OSIPs - Organic	- / 126.443	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 126.443	
<i>Subtotal: Non-Recurring</i>	- / 126.443	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 126.443	
<i>Subtotal: Inactive OSIPs</i>	- / 126.443	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 126.443	
<i>Subtotal: Procurement, All Modification Items</i>	- / 126.443	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 126.443	
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)	126.443	-	-	-	-	-	-	-	-	-	-	126.443	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0538 / P-3 Series			Modification Number / Title: 9 / Inactive OSIPs		
Modification Item 1 of 1: Inactive OSIPs							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy										Date: March 2014		
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,386.216	16.234	26.233	21.208	-	21.208	23.744	31.644	82.830	84.468	446.099	2,118.676
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,386.216	16.234	26.233	21.208	-	21.208	23.744	31.644	82.830	84.468	446.099	2,118.676
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,386.216	16.234	26.233	21.208	-	21.208	23.744	31.644	82.830	84.468	446.099	2,118.676
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date.												
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. High Frequency Internet-Protocol OSIP (2-10) provides Internet-Protocol Networking capability to 31 E-2C (Hawkeye 2000/MCU) aircraft, utilizing existing High Frequency radio set and new airborne Advanced Digital Networking System Internet Protocol router/gateway. 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 Automatic Identification System (AIS) OSIP (2-11), will integrate this system into the E-2 mission computer and provide for a means to transfer AIS data from the aircraft to the warships inflight. 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 (8-16), 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 In-Flight Refueling (IFR) 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												

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014						
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):																	
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.																				
Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / 005-01 Technology Insertion	P-3a		-	-	100.292	-	-	5.776	-	-	10.830	-	-	5.632	-	-	-	-	-	5.632
P-3a - 2 / 002-10 High Frequency Internet Protocol	P-3a		-	-	4.129	-	-	1.617	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 3 / 012-10 Critical Avionics	P-3a		-	-	60.159	-	-	5.578	-	-	6.212	-	-	-	-	-	-	-	-	-
P-3a - 4 / 002-11 Universal Automatic Information System	P-3a		-	-	0.734	-	-	0.097	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 5 / 005-11 Radar Improvement Program	P-3a		-	-	7.065	-	-	3.166	-	-	3.050	-	-	2.800	-	-	-	-	-	2.800
P-3a - 6 / 008-14 Dual Transmit SATCOM	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	2.744	-	-	-	-	-	2.744
P-3a - 7 / 009-14 MODE 5/S	P-3a		-	-	0.000	-	-	-	-	-	4.415	-	-	3.458	-	-	-	-	-	3.458
P-3a - 8 / 011-14 E-2D Avionics	P-3a		-	-	0.000	-	-	-	-	-	1.726	-	-	5.784	-	-	-	-	-	5.784
P-3a - 9 / 005-15 E-2D Aircraft ACD's	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	0.790	-	-	-	-	-	0.790
P-3a - 10 / 008-16 E-2D IBS-USB-ENTR	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 11 / 009-16 E-2D AIS	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 12 / 001-17 LINK 16 (MIDS/JTIDS for E-2C)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 13 / 001-18 E-2D MIDS/JTRS TTNT	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 14 / 002-18 E-2D IFR	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 15 / 003-18 E-2D SIPR CHAT	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 16 / Inactive OSIPs	P-3a		-	-	1,213.837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	1,386.216	-	-	16.234	-	-	26.233	-	-	21.208	-	-	-	-	-	21.208

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014						
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			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / 005-01 Technology Insertion	P-3a		-	-	5.651	-	-	5.708	-	-	5.808	-	-	5.955	-	-	31.237	-	-	176.889
P-3a - 2 / 002-10 High Frequency Internet Protocol	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.746
P-3a - 3 / 012-10 Critical Avionics	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71.949
P-3a - 4 / 002-11 Universal Automatic Information System	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.831
P-3a - 5 / 005-11 Radar Improvement Program	P-3a		-	-	0.466	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.547
P-3a - 6 / 008-14 Dual Transmit SATCOM	P-3a		-	-	6.546	-	-	7.430	-	-	7.691	-	-	1.184	-	-	-	-	-	25.595
P-3a - 7 / 009-14 MODE 5/S	P-3a		-	-	3.360	-	-	2.516	-	-	-	-	-	-	-	-	-	-	-	13.749
P-3a - 8 / 011-14 E-2D Avionics	P-3a		-	-	1.907	-	-	0.434	-	-	-	-	-	-	-	-	-	-	-	9.851
P-3a - 9 / 005-15 E-2D Aircraft ACD's	P-3a		-	-	1.545	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.335
P-3a - 10 / 008-16 E-2D IBS-USB-ENTR	P-3a		-	-	2.926	-	-	7.210	-	-	1.091	-	-	-	-	-	-	-	-	11.227
P-3a - 11 / 009-16 E-2D AIS	P-3a		-	-	1.343	-	-	3.545	-	-	0.965	-	-	-	-	-	-	-	-	5.853
P-3a - 12 / 001-17 LINK 16 (MIDS/JTIDS for E-2C)	P-3a		-	-	-	-	-	4.801	-	-	2.846	-	-	0.864	-	-	-	-	-	8.511
P-3a - 13 / 001-18 E-2D MIDS/JTRS TTNT	P-3a		-	-	-	-	-	-	-	-	19.161	-	-	16.348	-	-	30.651	-	-	66.160
P-3a - 14 / 002-18 E-2D IFR	P-3a		-	-	-	-	-	-	-	-	36.220	-	-	55.259	-	-	374.702	-	-	466.181
P-3a - 15 / 003-18 E-2D SIPR CHAT	P-3a		-	-	-	-	-	-	-	-	9.048	-	-	4.858	-	-	9.509	-	-	23.415
P-3a - 16 / Inactive OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,213.837
Total Gross/Weapon System Cost			-	-	23.744	-	-	31.644	-	-	82.830	-	-	84.468	-	-	446.099	-	-	2,118.676
*For the P-3a, Title represents the Modification Number / Title.																				
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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	100.292	5.776	10.830	5.632	-	5.632	5.651	5.708	5.808	5.955	31.237	176.889
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	100.292	5.776	10.830	5.632	-	5.632	5.651	5.708	5.808	5.955	31.237	176.889
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	100.292	5.776	10.830	5.632	-	5.632	5.651	5.708	5.808	5.955	31.237	176.889
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 0.762	- / 0.065	- / 0.050	- / 0.025	- / -	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / 0.125	- / 1.127	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / -	- / -	- / 4.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.500	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 5.742	- / 0.649	- / 0.580	- / 0.672	- / -	- / 0.672	- / 0.672	- / 0.692	- / 0.709	- / 0.727	- / 4.029	- / 14.472	
3.6) Other Support	- / 92.956	- / 5.062	- / 5.700	- / 4.935	- / -	- / 4.935	- / 4.954	- / 4.991	- / 5.074	- / 5.203	- / 27.083	- / 155.958	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 99.460	- / 5.776	- / 10.830	- / 5.632	- / -	- / 5.632	- / 5.651	- / 5.708	- / 5.808	- / 5.955	- / 31.237	- / 176.057	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	100.292	5.776	10.830	5.632	-	5.632	5.651	5.708	5.808	5.955	31.237	176.889	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 2 / 002-10 High Frequency Internet Protocol

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	4.129	1.617	-	-	-	-	-	-	-	-	-	5.746
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	4.129	1.617	-	-	-	-	-	-	-	-	-	5.746
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4.129	1.617	-	-	-	-	-	-	-	-	-	5.746
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This funding will integrate and test the High Frequency (HF) radio and Mission Computer hardware and software modifications and additions to provide an E-2 HF digital data communications path, allowing for E-2 connectivity with other HF Internet Protocol users.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Not Applicable

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 2 / 002-10 High Frequency Internet Protocol					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: 002-10 High Frequency Internet Protocol													
A Kits													
Recurring													
1.1.1) HFIP - NonOrganic ⁽¹⁾	27 / 1.556	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 1.556	
Subtotal: Recurring	- / 1.556	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.556	
B Kits													
Recurring													
2.1.1) HFIP - Organic	27 / 1.106	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 1.106	
Subtotal: Recurring	- / 1.106	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.106	
Subtotal: 002-10 High Frequency Internet Protocol	54 / 2.662	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 2.662	
Subtotal: Procurement, All Modification Items	- / 2.662	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.662	
Support (All Modification Items)													
3.1) ILS	- / 0.342	- / 0.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.572	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Training Equipment	- / 0.496	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.496	
3.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support	- / 0.020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.020	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.858	- / 0.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.088	
Installation													
Modification Item 1 of 1: 002-10 High Frequency Internet Protocol	- / 0.609	- / 1.387	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.996	
Subtotal: Installation	- / 0.609	- / 1.387	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.996	
Total													
Total Cost (Procurement + Support + Installation)	4.129	1.617	-	-	-	-	-	-	-	-	-	5.746	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0544 / E-2 Series										Modification Number / Title: 2 / 002-10 High Frequency Internet Protocol											
Modification Item 1 of 1: 002-10 High Frequency Internet Protocol																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: HFIP															Manufacturer Location: >Not Specified..																
Administrative Leadtime (<i>in Months</i>): 1															Production Leadtime (<i>in Months</i>): 2																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Depot Field Modification Team : Installation Name: HFIP																															
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		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 / 0.609		19 / 1.387		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		27 / 1.996							
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		8 / 0.609		19 / 1.387		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		27 / 1.996							
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27
Out	8	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27
Method of Implementation (Organic): Not Installed - HFIP																															
																									Installation Quantity: 27						
Footnotes:																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 2 / 002-10 High Frequency Internet Protocol

(1) A-Kits delivered in FY12, but install equipment did not deliver until FY13. Installation did not begin until all parts were received.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 3 / 012-10 Critical Avionics

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	60.159	5.578	6.212	-	-	-	-	-	-	-	-	71.949
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	60.159	5.578	6.212	-	-	-	-	-	-	-	-	71.949
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	60.159	5.578	6.212	-	-	-	-	-	-	-	-	71.949
(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)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 3 / 012-10 Critical Avionics					
Models of Systems Affected: E-2C				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	17 / 2.459	11 / 1.652	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 4.111	
1.1.2) HF ANTENNA - NonOrganic	11 / 0.068	10 / 0.047	7 / 0.034	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.149	
1.1.3) HF RADIO - NonOrganic	28 / 4.289	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 4.289	
Subtotal: Recurring	- / 6.816	- / 1.699	- / 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	127 / 26.308	21 / 1.699	7 / 0.034	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	155 / 28.041	
Subtotal: Procurement, All Modification Items	- / 26.308	- / 1.699	- / 0.034	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 28.041	
Support (All Modification Items)													
3.1) DATA	- / 1.900	- / 0.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.955	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) TRAINING EQUIP	5 / 7.084	- / 0.035	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 7.119	
3.4) SUPPORT EQUIP	- / 0.269	- / 0.015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.284	
3.5) ILS ⁽²⁾	- / 2.171	- / 0.387	- / 0.487	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.045	
3.6) OTHER SUPPORT ⁽³⁾	- / 20.355	- / 1.581	- / 4.661	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.597	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 31.779	- / 2.073	- / 5.148	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 39.000	
Installation													
Modification Item 1 of 1: 012-10 Critical Avionics	- / 2.072	- / 1.806	- / 1.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.908	
Subtotal: Installation	- / 2.072	- / 1.806	- / 1.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.908	
Total													

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0544 / E-2 Series						Modification Number / Title: 3 / 012-10 Critical Avionics				
Models of Systems Affected: E-2C			Modification Type: Mission Performance Enhancements					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)	60.159	5.578	6.212	-	-	-	-	-	-	-	71.949	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 3 / 012-10 Critical Avionics				
Modification Item 1 of 1: 012-10 Critical Avionics												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: MATT Replacement							Manufacturer Location: >Depot Field Mod Team					
Administrative Leadtime (<i>in Months</i>): 6							Production Leadtime (<i>in Months</i>): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Mar 2013											
Delivery Dates	Sep 2013											
Manufacturer Name: HF Antenna							Manufacturer Location: >Depot Field Mod Team					
Administrative Leadtime (<i>in Months</i>): 3							Production Leadtime (<i>in Months</i>): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Mar 2013	Dec 2013										
Delivery Dates	Sep 2013	Jun 2014										
Manufacturer Name: HF Radio							Manufacturer Location: >Depot Field Mod Team					
Administrative Leadtime (<i>in Months</i>): 6							Production Leadtime (<i>in Months</i>): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Installation Information												
Method of Implementation: Depot Field Mod Team : Installation Name: MATT REPLACEMENT												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	3 / 0.147	14 / 0.703	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.850
FY 2013	- / -	- / -	11 / 0.673	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.673
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	3 / 0.147	14 / 0.703	11 / 0.673	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 1.523

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 3 / 012-10 Critical Avionics

Modification Item 1 of 1: 012-10 Critical Avionics

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot Field Mod Team : Installation Name: MATT REPLACEMENT

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	4	4	2	3	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
Out	3	4	4	4	2	3	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28

Method of Implementation: Depot Field Mod Team : Installation Name: HF ANTENNA

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.180	3 / 0.062	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.242
FY 2013	- / -	- / -	10 / 0.306	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.306
FY 2014	- / -	- / -	7 / 0.051	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.051
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	8 / 0.180	3 / 0.062	17 / 0.357	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.599

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	-	-	-	10	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28		
Out	8	3	-	-	-	10	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28		

Method of Implementation: Depot Field Mod Team : Installation Name: HF RADIO

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 1.745	11 / 1.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 2.786

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 3 / 012-10 Critical Avionics

Modification Item 1 of 1: 012-10 Critical Avionics

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot Field Mod Team : Installation Name: HF RADIO

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	17 / 1.745	11 / 1.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 2.786

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	4	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	
Out	17	4	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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

Method of Implementation (Organic): Not Installed - TRAINING EQUIP

Installation Quantity: 5

Footnotes:

⁽²⁾ Multiple ECP's are starting and stopping within the Critical Avionics program, so funding cannot be analyzed at a level inflation rate.

⁽³⁾ 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 unsupportable in 2015 on the current system. The new Common Interactive Broadcast (CIB) has been tested and will be available in FY14. The Mission Computer Architecture will require a software update in FY14 to handle this new information that will require formal flight and ground testing.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 4 / 002-11 Universal Automatic Information System

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.734	0.097	-	-	-	-	-	-	-	-	-	0.831
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.734	0.097	-	-	-	-	-	-	-	-	-	0.831
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.734	0.097	-	-	-	-	-	-	-	-	-	0.831
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This funding will integrate and procure Universal Automatic System into the E-2 mission computer and provide for a means to transfer Automatic Information Systems (AIS) data from the aircraft in flight to the warships. This modification will integrate the current E-2 stand-alone prototype AIS system with the E-2 mission computer and displays allowing AIS tracks to be displayed and correlated with other track sources, such as radar. Additionally, the integration will allow AIS tracks to be transferred to other aircraft and warships over existing data links.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Not Applicable

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0544 / E-2 Series					Modification Number / Title: 4 / 002-11 Universal Automatic Information System				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: 002-11 Universal Automatic Information System												
A Kits												
Recurring												
1.1.1) Universal Automatic Info System - NonOrganic	35 / 0.042	16 / 0.018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 0.060
Subtotal: Recurring	- / 0.042	- / 0.018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.060
B Kits												
Recurring												
2.1.1) Installation Equipment - Organic	35 / 0.050	16 / 0.022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 0.072
Subtotal: Recurring	- / 0.050	- / 0.022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.072
Subtotal: 002-11 Universal Automatic Information System	70 / 0.092	32 / 0.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	102 / 0.132
Subtotal: Procurement, All Modification Items	- / 0.092	- / 0.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.132
Support (All Modification Items)												
3.1) Data	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.005
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Support Equipment	- / 0.155	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.155
3.4) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ILS	- / 0.129	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.129
3.6) Other Support	- / 0.223	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.223
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.512	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.512
Installation												
Modification Item 1 of 1: 002-11 Universal Automatic Information System	- / 0.130	- / 0.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.187
Subtotal: Installation	- / 0.130	- / 0.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.187
Total												
Total Cost (Procurement + Support + Installation)	0.734	0.097	-	-	-	-	-	-	-	-	-	0.831

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0544 / E-2 Series										Modification Number / Title: 4 / 002-11 Universal Automatic Information System											
Modification Item 1 of 1: 002-11 Universal Automatic Information System																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Universal Automatic Information System															Manufacturer Location: >Depot Field Modification Team																
Administrative Leadtime (in Months): 6															Production Leadtime (in Months): 6																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Mar 2013																													
Delivery Dates		Sep 2013																													
Installation Information																															
Method of Implementation: Depot Field Mod Team : Installation Name: Universal Automatic Info System																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		35 / 0.130	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 0.130																		
FY 2013		- / -	16 / 0.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.057																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		35 / 0.130	16 / 0.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 0.187																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	35	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
Out	35	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
Method of Implementation (Organic): Not Installed - Installation Equipment																															
																				Installation Quantity: 51											

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 5 / 005-11 Radar Improvement Program

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	7.065	3.166	3.050	2.800	-	2.800	0.466	-	-	-	-	16.547
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	7.065	3.166	3.050	2.800	-	2.800	0.466	-	-	-	-	16.547
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7.065	3.166	3.050	2.800	-	2.800	0.466	-	-	-	-	16.547
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0544 / E-2 Series					Modification Number / Title: 5 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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: 005-11 Radar Improvement Program</i>													
B Kits													
Recurring													
2.1.1) WRA-9 - NonOrganic	10 / 0.863	10 / 0.872	12 / 0.983	11 / 0.973	- / -	11 / 0.973	- / -	- / -	- / -	- / -	- / -	- / -	43 / 3.691
2.1.2) WRA-32 - NonOrganic	13 / 0.546	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.546
<i>Subtotal: Recurring</i>	<i>- / 1.409</i>	<i>- / 0.872</i>	<i>- / 0.983</i>	<i>- / 0.973</i>	<i>- / -</i>	<i>- / 0.973</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 4.237</i>
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 0.586	- / -	- / 0.224	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.810
<i>Subtotal: Non-Recurring</i>	<i>- / 0.586</i>	<i>- / -</i>	<i>- / 0.224</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 0.810</i>
<i>Subtotal: 005-11 Radar Improvement Program</i>	<i>23 / 1.995</i>	<i>10 / 0.872</i>	<i>12 / 1.207</i>	<i>11 / 0.973</i>	<i>- / -</i>	<i>11 / 0.973</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>56 / 5.047</i>
<i>Subtotal: Procurement, All Modification Items</i>	<i>- / 1.995</i>	<i>- / 0.872</i>	<i>- / 1.207</i>	<i>- / 0.973</i>	<i>- / -</i>	<i>- / 0.973</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 5.047</i>
Support (All Modification Items)													
3.1) Data	- / -	- / -	- / 0.085	- / 0.085	- / -	- / 0.085	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.170
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment	- / -	- / -	2 / 0.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.120
3.4) New Cost Element	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) Support Equipment	15 / 2.619	- / 0.616	- / 0.120	- / 0.126	- / -	- / 0.126	- / -	- / -	- / -	- / -	- / -	- / -	15 / 3.481
3.6) ILS	- / 1.527	- / 0.769	- / 0.851	- / 0.968	- / -	- / 0.968	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / 4.215
3.7) Other Support	- / 0.833	- / 0.787	- / 0.493	- / 0.471	- / -	- / 0.471	- / 0.211	- / -	- / -	- / -	- / -	- / -	- / 2.795
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<i>Subtotal: Support</i>	<i>- / 4.979</i>	<i>- / 2.172</i>	<i>- / 1.669</i>	<i>- / 1.650</i>	<i>- / -</i>	<i>- / 1.650</i>	<i>- / 0.311</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 10.781</i>
Installation													
<i>Modification Item 1 of 1: 005-11 Radar Improvement Program</i>	<i>- / 0.091</i>	<i>- / 0.122</i>	<i>- / 0.174</i>	<i>- / 0.177</i>	<i>- / -</i>	<i>- / 0.177</i>	<i>- / 0.155</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 0.719</i>
<i>Subtotal: Installation</i>	<i>- / 0.091</i>	<i>- / 0.122</i>	<i>- / 0.174</i>	<i>- / 0.177</i>	<i>- / -</i>	<i>- / 0.177</i>	<i>- / 0.155</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 0.719</i>
Total													
Total Cost (Procurement + Support + Installation)	7.065	3.166	3.050	2.800	-	2.800	0.466	-	-	-	-	-	16.547

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0544 / E-2 Series										Modification Number / Title: 5 / 005-11 Radar Improvement Program											
Modification Item 1 of 1: 005-11 Radar Improvement Program																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: WRA-9															Manufacturer Location: >Depot Field Modification Team																
Administrative Leadtime (in Months): 9															Production Leadtime (in Months): 4																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Jun 2013				Jun 2014				Jun 2015																					
Delivery Dates		Oct 2013				Oct 2014				Oct 2015																					
Installation Information																															
Method of Implementation: Depot Field Modification Team : Installation Name: WRA-9																															
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 / 0.122						
FY 2013		- / -	- / -		10 / 0.174		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / 0.174						
FY 2014		- / -	- / -		- / -		12 / 0.177		- / -		12 / 0.177		- / -		- / -		- / -		- / -		- / -		- / -		12 / 0.177						
FY 2015		- / -	- / -		- / -		- / -		- / -		- / -		11 / 0.155		- / -		- / -		- / -		- / -		- / -		11 / 0.155						
FY 2016		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2017		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2018		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2019		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		- / -	10 / 0.122		10 / 0.174		12 / 0.177		- / -		12 / 0.177		11 / 0.155		- / -		- / -		- / -		- / -		- / -		43 / 0.628						
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	6	6	-	-	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43
Out	-	5	5	-	-	5	5	-	-	6	6	-	-	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43
Method of Implementation: Depot Field Modification Team : Installation Name: WRA-32																															
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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								

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 5 / 005-11 Radar Improvement Program

Modification Item 1 of 1: 005-11 Radar Improvement Program

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot Field Modification Team : Installation Name: WRA-32

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	13 / 0.091	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.091

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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

Method of Implementation (Organic): Not Installed - Training Equipment

Installation Quantity: 2

Method of Implementation (Organic): Not Installed - Support Equipment

Installation Quantity: 15

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 6 / 008-14 Dual Transmit SATCOM

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	2.744	-	2.744	6.546	7.430	7.691	1.184	-	25.595
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	2.744	-	2.744	6.546	7.430	7.691	1.184	-	25.595
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	2.744	-	2.744	6.546	7.430	7.691	1.184	-	25.595
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 6 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	1 / 1.189	5 / 6.045	5 / 6.147	5 / 6.252	- / -	- / -	16 / 19.633	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 1.189	- / -	- / 1.189	- / 6.045	- / 6.147	- / 6.252	- / -	- / -	- / 19.633	
Subtotal: 008-14 Dual Transmit SATCOM	- / -	- / -	- / -	1 / 1.189	- / -	1 / 1.189	5 / 6.045	5 / 6.147	5 / 6.252	- / -	- / -	16 / 19.633	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 1.189	- / -	- / 1.189	- / 6.045	- / 6.147	- / 6.252	- / -	- / -	- / 19.633	
Support (All Modification Items)													
3.1) ILS	- / -	- / -	- / -	- / 0.210	- / -	- / 0.210	- / 0.065	- / 0.074	- / 0.199	- / 0.180	- / -	- / 0.728	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Data	- / -	- / -	- / -	- / 0.225	- / -	- / 0.225	- / -	- / -	- / -	- / -	- / -	- / 0.225	
3.4) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.356	- / 0.361	- / 0.025	- / -	- / 0.742	
3.5) Support Equipment	- / -	- / -	- / -	- / 0.545	- / -	- / 0.545	- / -	- / -	- / -	- / -	- / -	- / 0.545	
3.6) Other Support	- / -	- / -	- / -	- / 0.575	- / -	- / 0.575	- / 0.309	- / 0.204	- / 0.218	- / 0.305	- / -	- / 1.611	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / -	- / 1.555	- / -	- / 1.555	- / 0.374	- / 0.634	- / 0.778	- / 0.510	- / -	- / 3.851	
Installation													
Modification Item 1 of 1: 008-14 Dual Transmit SATCOM	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.127	- / 0.649	- / 0.661	- / 0.674	- / -	- / 2.111	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.127	- / 0.649	- / 0.661	- / 0.674	- / -	- / 2.111	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	2.744	-	2.744	6.546	7.430	7.691	1.184	-	25.595	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0544 / E-2 Series										Modification Number / Title: 6 / 008-14 Dual Transmit SATCOM											
Modification Item 1 of 1: 008-14 Dual Transmit SATCOM																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Dual Transmit SATCOM													Manufacturer Location: >Not Specified..																		
Administrative Leadtime (in Months): 6													Production Leadtime (in Months): 8																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates										Mar 2015				Mar 2016				Mar 2017				Mar 2018									
Delivery Dates										Nov 2015				Nov 2016				Nov 2017				Nov 2018									
Installation Information																															
Method of Implementation: Field Mod Teams : Installation Name: E-2D Dual Transmit SATCOM																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.127		- / -		- / -		- / -		- / -		- / -		1 / 0.127					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		5 / 0.649		- / -		- / -		- / -		- / -		5 / 0.649					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		5 / 0.661		- / -		- / -		- / -		5 / 0.661					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		5 / 0.674		- / -		- / -		5 / 0.674					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.127		5 / 0.649		5 / 0.661		5 / 0.674		- / -		16 / 2.111					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 7 / 009-14 MODE 5/S

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	4.415	3.458	-	3.458	3.360	2.516	-	-	-	13.749
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	4.415	3.458	-	3.458	3.360	2.516	-	-	-	13.749
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	4.415	3.458	-	3.458	3.360	2.516	-	-	-	13.749
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 began in FY09. Flight test will begin in FY13. Procurement of kits will begin in FY14.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 7 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: 009-14 MODE 5/S													
B Kits													
Recurring													
2.1.1) E-2D Mode 5 - NonOrganic	- / -	- / -	5 / 1.443	5 / 1.469	- / -	5 / 1.469	6 / 1.794	- / -	- / -	- / -	- / -	16 / 4.706	
Subtotal: Recurring	- / 0.000	- / -	- / 1.443	- / 1.469	- / -	- / 1.469	- / 1.794	- / -	- / -	- / -	- / -	- / 4.706	
Subtotal: 009-14 MODE 5/S	- / -	- / -	5 / 1.443	5 / 1.469	- / -	5 / 1.469	6 / 1.794	- / -	- / -	- / -	- / -	16 / 4.706	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 1.443	- / 1.469	- / -	- / 1.469	- / 1.794	- / -	- / -	- / -	- / -	- / 4.706	
Support (All Modification Items)													
3.1) ILS	- / -	- / -	- / 0.164	- / 0.110	- / -	- / 0.110	- / 0.055	- / 0.122	- / -	- / -	- / -	- / 0.451	
3.2) Data	- / -	- / -	- / 0.429	- / 0.047	- / -	- / 0.047	- / -	- / -	- / -	- / -	- / -	- / 0.476	
3.3) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Training Equipment	- / -	- / -	3 / 1.921	- / 0.221	- / -	- / 0.221	- / 0.040	- / -	- / -	- / -	- / -	3 / 2.182	
3.5) Support Equipment	- / -	- / -	15 / 0.225	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.225	
3.6) Other Support	- / -	- / -	- / 0.233	- / 1.426	- / -	- / 1.426	- / 1.283	- / 2.164	- / -	- / -	- / -	- / 5.106	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / 2.972	- / 1.804	- / -	- / 1.804	- / 1.378	- / 2.286	- / -	- / -	- / -	- / 8.440	
Installation													
Modification Item 1 of 1: 009-14 MODE 5/S	- / 0.000	- / -	- / -	- / 0.185	- / -	- / 0.185	- / 0.188	- / 0.230	- / -	- / -	- / -	- / 0.603	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 0.185	- / -	- / 0.185	- / 0.188	- / 0.230	- / -	- / -	- / -	- / 0.603	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	4.415	3.458	-	3.458	3.360	2.516	-	-	-	13.749	

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Exhibit P-3a, Individual Modification: PB 2015 Navy											Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1											P-1 Line Item Number / Title: 0544 / E-2 Series											Modification Number / Title: 7 / 009-14 MODE 5/S										
Modification Item 1 of 1: 009-14 MODE 5/S																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: E-2D MODE 5														Manufacturer Location: >Not Specified..																		
Administrative Leadtime <i>(in Months)</i> : 6														Production Leadtime <i>(in Months)</i> : 8																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
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: E-2D Mode 5																																
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2014		- / -		- / -		- / -		5 / 0.185		- / -		5 / 0.185		- / -		- / -		- / -		- / -		- / -		- / -		5 / 0.185						
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		5 / 0.188		- / -		- / -		- / -		- / -		- / -		5 / 0.188						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 0.230		- / -		- / -		- / -		- / -		6 / 0.230						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		- / -		- / -		- / -		5 / 0.185		- / -		5 / 0.185		5 / 0.188		6 / 0.230		- / -		- / -		- / -		- / -		16 / 0.603						
Installation Schedule																																
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	
Method of Implementation (Organic): Not Installed - Training Equipment																	Installation Quantity: 3															
Method of Implementation (Organic): Not Installed - Support Equipment																	Installation Quantity: 15															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 8 / 011-14 E-2D Avionics

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ <i>in Millions</i>)	0.000	-	1.726	5.784	-	5.784	1.907	0.434	-	-	-	9.851
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	0.000	-	1.726	5.784	-	5.784	1.907	0.434	-	-	-	9.851
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	0.000	-	1.726	5.784	-	5.784	1.907	0.434	-	-	-	9.851
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 is scheduled for completion in 4th QTR FY13. Flight test will begin in FY14. Procurement of kits will begin in FY14.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 8 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: 011-14 E-2D Avionics													
A Kits													
Recurring													
1.1.1) ARC-210 - NonOrganic	- / -	- / -	2 / 0.007	5 / 0.017	- / -	5 / 0.017	2 / 0.007	- / -	- / -	- / -	- / -	9 / 0.031	
Subtotal: Recurring	- / 0.000	- / -	- / 0.007	- / 0.017	- / -	- / 0.017	- / 0.007	- / -	- / -	- / -	- / -	- / 0.031	
B Kits													
Recurring													
2.1.1) ARC-210 - Organic	- / -	- / -	2 / 1.132	5 / 2.880	- / -	5 / 2.880	2 / 1.173	- / -	- / -	- / -	- / -	9 / 5.185	
Subtotal: Recurring	- / 0.000	- / -	- / 1.132	- / 2.880	- / -	- / 2.880	- / 1.173	- / -	- / -	- / -	- / -	- / 5.185	
Subtotal: 011-14 E-2D Avionics	- / -	- / -	4 / 1.139	10 / 2.897	- / -	10 / 2.897	4 / 1.180	- / -	- / -	- / -	- / -	18 / 5.216	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 1.139	- / 2.897	- / -	- / 2.897	- / 1.180	- / -	- / -	- / -	- / -	- / 5.216	
Support (All Modification Items)													
3.1) Data	- / -	- / -	- / 0.140	- / 0.115	- / -	- / 0.115	- / 0.036	- / -	- / -	- / -	- / -	- / 0.291	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) ILS	- / -	- / -	- / 0.133	- / 0.126	- / -	- / 0.126	- / 0.076	- / 0.017	- / -	- / -	- / -	- / 0.352	
3.4) Training Equipment	- / -	- / -	- / 0.080	1 / 2.322	- / -	1 / 2.322	- / 0.153	- / 0.070	- / -	- / -	- / -	1 / 2.625	
3.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support	- / -	- / -	- / 0.234	- / 0.244	- / -	- / 0.244	- / 0.259	- / 0.264	- / -	- / -	- / -	- / 1.001	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / 0.587	- / 2.807	- / -	- / 2.807	- / 0.524	- / 0.351	- / -	- / -	- / -	- / 4.269	
Installation													
Modification Item 1 of 1: 011-14 E-2D Avionics	- / 0.000	- / -	- / -	- / 0.080	- / -	- / 0.080	- / 0.203	- / 0.083	- / -	- / -	- / -	- / 0.366	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 0.080	- / -	- / 0.080	- / 0.203	- / 0.083	- / -	- / -	- / -	- / 0.366	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	1.726	5.784	-	5.784	1.907	0.434	-	-	-	9.851	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0544 / E-2 Series										Modification Number / Title: 8 / 011-14 E-2D Avionics											
Modification Item 1 of 1: 011-14 E-2D Avionics																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: ARC-210															Manufacturer Location: >Not Specified..																
Administrative Leadtime (<i>in Months</i>): 6															Production Leadtime (<i>in Months</i>): 8																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
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 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		2 / 0.080		- / -		2 / 0.080		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.080					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		5 / 0.203		- / -		- / -		- / -		- / -		- / -		5 / 0.203					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.083		- / -		- / -		- / -		- / -		2 / 0.083					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		2 / 0.080		- / -		2 / 0.080		5 / 0.203		2 / 0.083		- / -		- / -		- / -		- / -		9 / 0.366					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	9
Out	-	-	-	-	-	-	-	-	-	1	1	-	-	2	2	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	9
Method of Implementation (Organic): Not Installed - ARC-210																															
																				Installation Quantity: 9											
Method of Implementation (Organic): Not Installed - Training Equipment																															
																				Installation Quantity: 1											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 9 / 005-15 E-2D Aircraft ACD's

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	0.790	-	0.790	1.545	-	-	-	-	2.335
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	0.790	-	0.790	1.545	-	-	-	-	2.335
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	0.790	-	0.790	1.545	-	-	-	-	2.335
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 9 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / -	- / -	8 / 0.222	
1.1.2) E-2D 1C ACD Kit - NonOrganic	- / -	- / -	- / -	10 / 0.412	- / -	10 / 0.412	- / -	- / -	- / -	- / -	- / -	10 / 0.412	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 0.634	- / -	- / 0.634	- / -	- / -	- / -	- / -	- / -	- / 0.634	
Subtotal: 005-15 E-2D Aircraft ACD's	- / -	- / -	- / -	18 / 0.634	- / -	18 / 0.634	- / -	- / -	- / -	- / -	- / -	18 / 0.634	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 0.634	- / -	- / 0.634	- / -	- / -	- / -	- / -	- / -	- / 0.634	
Support (All Modification Items)													
3.1) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) ILS	- / -	- / -	- / -	- / 0.061	- / -	- / 0.061	- / 0.062	- / -	- / -	- / -	- / -	- / 0.123	
3.3) Other Support	- / -	- / -	- / -	- / 0.075	- / -	- / 0.075	- / 0.075	- / -	- / -	- / -	- / -	- / 0.150	
3.4) Data	- / -	- / -	- / -	- / 0.020	- / -	- / 0.020	- / -	- / -	- / -	- / -	- / -	- / 0.020	
Subtotal: Support	- / 0.000	- / -	- / -	- / 0.156	- / -	- / 0.156	- / 0.137	- / -	- / -	- / -	- / -	- / 0.293	
Installation													
Modification Item 1 of 1: 005-15 E-2D Aircraft ACD's	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.408	- / -	- / -	- / -	- / -	- / 1.408	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.408	- / -	- / -	- / -	- / -	- / 1.408	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	0.790	-	0.790	1.545	-	-	-	-	2.335	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0544 / E-2 Series					Modification Number / Title: 9 / 005-15 E-2D Aircraft ACD's																					
Modification Item 1 of 1: 005-15 E-2D Aircraft ACD's																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: E-2D Aircraft 1B ACD													Manufacturer Location: >Not Specified..																		
Administrative Leadtime (<i>in Months</i>): 6													Production Leadtime (<i>in Months</i>): 6																		
Dates		FY 2013			FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019											
Contract Dates								Mar 2015																							
Delivery Dates								Sep 2015																							
Manufacturer Name: E-2D Aircraft 1C ACD													Manufacturer Location: >Not Specified..																		
Administrative Leadtime (<i>in Months</i>): 6													Production Leadtime (<i>in Months</i>): 6																		
Dates		FY 2013			FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019											
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.748	- / -	- / -	- / -	- / -	8 / 0.748																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.748	- / -	- / -	- / -	- / -	8 / 0.748																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 9 / 005-15 E-2D Aircraft ACD's

Modification Item 1 of 1: 005-15 E-2D Aircraft ACD's

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: FIELD MOD TEAM : Installation Name: E-2D 1C ACD Kit

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.660	- / -	- / -	- / -	- / -	10 / 0.660
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.660	- / -	- / -	- / -	- / -	10 / 0.660

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 10 / 008-16 E-2D IBS-USB-ENTR

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	2.926	7.210	1.091	-	-	11.227
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	2.926	7.210	1.091	-	-	11.227
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	2.926	7.210	1.091	-	-	11.227
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

E-2D IBS-USB-ENTR system development and design completed in FY13. Flight test occurs in FY14. Procurement of kits will begin in FY16.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 10 / 008-16 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: 008-16 E-2D IBS-USB-ENTR													
A Kits													
Recurring													
1.1.1) E-2D USB-ENTR - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.372	10 / 0.271	- / -	- / -	- / -	24 / 0.643	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.372	- / 0.271	- / -	- / -	- / -	- / 0.643	
B Kits													
Recurring													
2.1.1) E-2D USB-ENTR - Organic	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.391	10 / 1.012	- / -	- / -	- / -	24 / 2.403	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.391	- / 1.012	- / -	- / -	- / -	- / 2.403	
Subtotal: 008-16 E-2D IBS-USB-ENTR	- / -	- / -	- / -	- / -	- / -	- / -	28 / 1.763	20 / 1.283	- / -	- / -	- / -	48 / 3.046	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.763	- / 1.283	- / -	- / -	- / -	- / 3.046	
Support (All Modification Items)													
3.1) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.146	- / 0.149	- / -	- / -	- / -	- / 0.295	
3.2) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.190	- / 4.736	- / 0.197	- / -	- / -	- / 5.123	
3.3) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.370	- / 0.288	- / 0.294	- / -	- / -	- / 0.952	
3.4) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.352	- / 0.359	- / 0.365	- / -	- / -	- / 1.076	
3.5) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.105	- / 0.071	- / -	- / -	- / -	- / 0.176	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.163	- / 5.603	- / 0.856	- / -	- / -	- / 7.622	
Installation													
Modification Item 1 of 1: 008-16 E-2D IBS-USB-ENTR	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.324	- / 0.235	- / -	- / -	- / 0.559	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.324	- / 0.235	- / -	- / -	- / 0.559	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	2.926	7.210	1.091	-	-	11.227	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0544 / E-2 Series										Modification Number / Title: 10 / 008-16 E-2D IBS-USB-ENTR											
Modification Item 1 of 1: 008-16 E-2D IBS-USB-ENTR																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: USB-ENTR													Manufacturer Location: >FIELD MOD TEAM																		
Administrative Leadtime (in Months): 6													Production Leadtime (in Months): 6																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates														Mar 2016				Mar 2017													
Delivery Dates														Sep 2016				Sep 2017													
Installation Information																															
Method of Implementation: FIELD MOD TEAM : Installation Name: E-2D USB-ENTR																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		14 / 0.324		- / -		- / -		- / -		14 / 0.324					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / 0.235		- / -		- / -		10 / 0.235					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		14 / 0.324		10 / 0.235		- / -		- / -		24 / 0.559					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 USB-ENTR																															
																		Installation Quantity: 24													

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 11 / 009-16 E-2D AIS

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	1.343	3.545	0.965	-	-	5.853
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	1.343	3.545	0.965	-	-	5.853
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	1.343	3.545	0.965	-	-	5.853
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

E-2D AIS system development and design completed in FY13. Flight test occurs in FY14. Procurement of kits will begin in FY16.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 11 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 / 0.172	10 / 0.125	- / -	- / -	- / -	24 / 0.297	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.172	- / 0.125	- / -	- / -	- / -	- / 0.297	
B Kits													
Recurring													
2.1.1) E-2D AIS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.345	10 / 0.251	- / -	- / -	- / -	24 / 0.596	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.345	- / 0.251	- / -	- / -	- / -	- / 0.596	
Subtotal: 009-16 E-2D AIS	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.517	20 / 0.376	- / -	- / -	- / -	48 / 0.893	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.517	- / 0.376	- / -	- / -	- / -	- / 0.893	
Support (All Modification Items)													
3.1) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.030	- / 0.030	- / -	- / -	- / -	- / 0.060	
3.2) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.337	- / 2.251	- / 0.197	- / -	- / -	- / 2.785	
3.3) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.139	- / 0.141	- / 0.144	- / -	- / -	- / 0.424	
3.4) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.299	- / 0.304	- / 0.310	- / -	- / -	- / 0.913	
3.5) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.021	- / 0.011	- / -	- / -	- / -	- / 0.032	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.826	- / 2.737	- / 0.651	- / -	- / -	- / 4.214	
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	-	-	-	-	-	1.343	3.545	0.965	-	-	5.853	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0544 / E-2 Series										Modification Number / Title: 11 / 009-16 E-2D AIS											
Modification Item 1 of 1: 009-16 E-2D AIS																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: AIS													Manufacturer Location: >FIELD MOD TEAM																		
Administrative Leadtime (in Months): 6													Production Leadtime (in Months): 6																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
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 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		14 / 0.432		- / -		- / -		- / -		- / -		14 / 0.432					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / 0.314		- / -		- / -		- / -		10 / 0.314					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		14 / 0.432		10 / 0.314		- / -		- / -		- / -		24 / 0.746					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 12 / 001-17 LINK 16 (MIDS/JTIDS for E-2C)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	4.801	2.846	0.864	-	8.511
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	4.801	2.846	0.864	-	8.511
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	4.801	2.846	0.864	-	8.511
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This funding will integrate and field the Link 16 capability into the E-2D 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 begins in FY14. Flight test begins in FY15. Procurement of kits will begin in FY17.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 12 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: 001-17 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	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.053	- / 0.048	- / -	- / -	- / 0.101	
B Kits													
Recurring													
2.1.1) Installation Kits Recurring - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.591	9 / 1.374	- / -	- / -	19 / 2.965	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.591	- / 1.374	- / -	- / -	- / 2.965	
Subtotal: 001-17 LINK 16 (MIDS/JTIDS for E-2C)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.644	18 / 1.422	- / -	- / -	38 / 3.066	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.644	- / 1.422	- / -	- / -	- / 3.066	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.192	- / 0.114	- / 0.035	- / -	- / 0.341	
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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.436	- / 0.423	- / 0.431	- / -	- / 1.290	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.157	- / 1.269	- / 0.722	- / -	- / 5.148	
Installation													
Modification Item 1 of 1: 001-17 LINK 16 (MIDS/JTIDS for E-2C)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.155	- / 0.142	- / -	- / 0.297	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.155	- / 0.142	- / -	- / 0.297	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	4.801	2.846	0.864	-	8.511	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0544 / E-2 Series										Modification Number / Title: 12 / 001-17 LINK 16 (MIDS/JTIDS for E-2C)											
Modification Item 1 of 1: 001-17 LINK 16 (MIDS/JTIDS for E-2C)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: LINK-16													Manufacturer Location: >FIELD MOD TEAM																		
Administrative Leadtime (<i>in Months</i>): 6													Production Leadtime (<i>in Months</i>): 6																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
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 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		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 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / 0.155		- / -		- / -		- / -		10 / 0.155					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		9 / 0.142		- / -		- / -		9 / 0.142					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / 0.155		9 / 0.142		- / -		- / -		19 / 0.297					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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													
Method of Implementation (Organic): Not Installed - Training Equipment																		Installation Quantity: 2													

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 13 / 001-18 E-2D MIDS/JTRS TTNT

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	19.161	16.348	30.651	66.160
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	19.161	16.348	30.651	66.160
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	19.161	16.348	30.651	66.160
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 13 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	19 / 0.921	43 / 2.032	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.550	- / 0.561	- / 0.921	- / 2.032	
B Kits													
Recurring													
2.1.1) Installation Kits Recurring - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 10.198	24 / 10.392	38 / 17.070	86 / 37.660	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.198	- / 10.392	- / 17.070	- / 37.660	
Subtotal: 001-18 E-2D MIDS/JTRS TTNT	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 10.748	36 / 10.953	57 / 17.991	129 / 39.692	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.748	- / 10.953	- / 17.991	- / 39.692	
Support (All Modification Items)													
3.1) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.007	- / 1.024	- / -	- / 2.031	
3.2) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.455	- / 0.143	- / 0.145	- / 4.743	
3.3) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.988	- / 0.942	- / 3.178	- / 5.108	
3.4) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.238	- / 1.258	- / 5.196	- / 7.692	
3.5) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.725	- / 0.491	- / -	- / 1.216	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.413	- / 3.858	- / 8.519	- / 20.790	
Installation													
Modification Item 1 of 1: 001-18 E-2D MIDS/JTRS TTNT	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.537	- / 4.141	- / 5.678	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.537	- / 4.141	- / 5.678	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	-	19.161	16.348	30.651	66.160	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 13 / 001-18 E-2D MIDS/JTRS TTNT																											
Modification Item 1 of 1: 001-18 E-2D MIDS/JTRS TTNT																																			
Modification Item MDAP/MAIS Code:																																			
Manufacturer Information																																			
Manufacturer Name: TTNT							Manufacturer Location: >FIELD MOD TEAM																												
Administrative Leadtime <i>(in Months)</i> : 6							Production Leadtime <i>(in Months)</i> : 6																												
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																												
Contract Dates						Mar 2018	Mar 2019																												
Delivery Dates						Sep 2018	Sep 2019																												
Installation Information																																			
Method of Implementation: FIELD MOD TEAM : Installation Name: E-2D MIDS/JTRS TTNT																																			
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.537	- / -	12 / 1.537																							
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.567	12 / 1.567																							
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 2.574	19 / 2.574																							
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.537	31 / 4.141	43 / 5.678																							
Installation Schedule																																			
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	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	31	43				
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	31	43				
Method of Implementation (Organic): Not Installed - Installation Kits Recurring																																Installation Quantity: 86			

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 14 / 002-18 E-2D IFR

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	36.220	55.259	374.702	466.181
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	36.220	55.259	374.702	466.181
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	36.220	55.259	374.702	466.181
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The E-2D In-Flight Refueling (IFR) 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:

IFR risk reduction began in FY12. Engineering & Manufacturing Development began in FY13. Preliminary Design Review is 3Q FY14 and Critical Design Review is 2Q FY17. Flight test occurs in FY17. Procurement of kits will begin in FY18.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 14 / 002-18 E-2D IFR					
Models of Systems Affected: E-2D				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 IFR													
A Kits													
Recurring													
1.1.1) E-2D IFR - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 9.877	6 / 12.078	32 / 68.427	43 / 90.382	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.877	- / 12.078	- / 68.427	- / 90.382	
Subtotal: 002-18 E-2D IFR	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 9.877	6 / 12.078	32 / 68.427	43 / 90.382	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.877	- / 12.078	- / 68.427	- / 90.382	
Support (All Modification Items)													
3.1) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.698	- / 1.055	- / -	- / 2.753	
3.2) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 14.891	- / 2.597	- / 0.462	5 / 17.950	
3.3) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.832	- / 1.907	- / 13.760	- / 17.499	
3.4) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.653	- / 6.779	- / 51.203	- / 64.635	
3.5) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.269	- / 1.293	- / -	- / 2.562	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.343	- / 13.631	- / 65.425	- / 105.399	
Installation													
Modification Item 1 of 1: 002-18 E-2D IFR	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.550	- / 240.850	- / 270.400	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.550	- / 240.850	- / 270.400	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	-	36.220	55.259	374.702	466.181	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 14 / 002-18 E-2D IFR																							
Modification Item 1 of 1: 002-18 E-2D IFR																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: IFR							Manufacturer Location: >FIELD MOD TEAM																								
Administrative Leadtime <i>(in Months)</i> : 6							Production Leadtime <i>(in Months)</i> : 6																								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																								
Contract Dates						Mar 2018	Mar 2019																								
Delivery Dates						Sep 2018	Sep 2019																								
Installation Information																															
Method of Implementation: FIELD MOD TEAM : Installation Name: E-2D IFR																															
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 29.550	- / -	5 / 29.550																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 36.134	6 / 36.134																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 204.716	32 / 204.716																			
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 29.550	38 / 240.850	43 / 270.400																			
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	38	43
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	-	38	43
Method of Implementation (Organic): Not Installed - Training Equipment														Installation Quantity: 5																	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 15 / 003-18 E-2D SIPR CHAT

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	9.048	4.858	9.509	23.415
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	9.048	4.858	9.509	23.415
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	9.048	4.858	9.509	23.415
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 15 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	19 / 0.706	43 / 1.558	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.422	- / 0.430	- / 0.706	- / 1.558	
B Kits													
Recurring													
2.1.1) Installation Kits Recurring - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.741	12 / 0.755	19 / 1.241	43 / 2.737	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.741	- / 0.755	- / 1.241	- / 2.737	
Subtotal: 003-18 E-2D SIPR CHAT	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 1.163	24 / 1.185	38 / 1.947	86 / 4.295	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.163	- / 1.185	- / 1.947	- / 4.295	
Support (All Modification Items)													
3.1) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.930	- / 0.946	- / -	- / 1.876	
3.2) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.601	- / 0.366	- / 0.373	- / 5.340	
3.3) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.362	- / 0.194	- / 0.380	- / 0.936	
3.4) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.360	- / 1.385	- / 5.792	- / 8.537	
3.5) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.632	- / 0.421	- / 0.043	- / 1.096	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.885	- / 3.312	- / 6.588	- / 17.785	
Installation													
Modification Item 1 of 1: 003-18 E-2D SIPR CHAT	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.361	- / 0.974	- / 1.335	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.361	- / 0.974	- / 1.335	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	-	9.048	4.858	9.509	23.415	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 15 / 003-18 E-2D SIPR CHAT																											
Modification Item 1 of 1: 003-18 E-2D SIPR CHAT																																			
Modification Item MDAP/MAIS Code:																																			
Manufacturer Information																																			
Manufacturer Name: SIPRCHAT							Manufacturer Location: >Field Mod Team																												
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 6																												
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																												
Contract Dates						Mar 2018	Mar 2019																												
Delivery Dates						Sep 2018	Sep 2019																												
Installation Information																																			
Method of Implementation: FIELD MOD TEAM : Installation Name: E-2D SIPR CHAT																																			
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.361	- / -	12 / 0.361																							
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.369	12 / 0.369																							
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 0.605	19 / 0.605																							
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.361	31 / 0.974	43 / 1.335																							
Installation Schedule																																			
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	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	31	43				
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	31	43				
Method of Implementation (Organic): Not Installed - Installation Kits Recurring																																Installation Quantity: 43			

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series						Modification Number / Title: 16 / Inactive OSIPs		
Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,213.837	-	-	-	-	-	-	-	-	-	-	1,213.837
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,213.837	-	-	-	-	-	-	-	-	-	-	1,213.837
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,213.837	-	-	-	-	-	-	-	-	-	-	1,213.837
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date. Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 16 / Inactive OSIPs					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 1,213.837	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,213.837	
Subtotal: Recurring	- / 1,213.837	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,213.837	
Subtotal: Inactive OSIPs	- / 1,213.837	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,213.837	
Subtotal: Procurement, All Modification Items	- / 1,213.837	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,213.837	
Support (All Modification Items)													
3.1) New Cost Element.	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	1,213.837	-	-	-	-	-	-	-	-	-	-	1,213.837	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0544 / E-2 Series			Modification Number / Title: 16 / Inactive OSIPs		
Modification Item 1 of 1: Inactive OSIPs							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy								Date: March 2014												
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total								
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-								
Gross/Weapon System Cost <i>(\$ in Millions)</i>	179.142	24.718	4.166	12.608	-	12.608	28.296	35.063	31.203	36.193	75.542	426.931								
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-								
Net Procurement (P1) <i>(\$ in Millions)</i>	179.142	24.718	4.166	12.608	-	12.608	28.296	35.063	31.203	36.193	75.542	426.931								
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-								
Total Obligation Authority <i>(\$ in Millions)</i>	179.142	24.718	4.166	12.608	-	12.608	28.296	35.063	31.203	36.193	75.542	426.931								
(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>	-	-	-	-	-	-	-	-	-	-	-	-								
# The FY 2015 OCO Request will be submitted at a later date.																				
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.																				
Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / OSIP 005-04 - T44 AVIONICS OBSOLESCENCE	P-3a		-	-	101.394	-	-	11.718	-	-	3.419	-	-	3.060	-	-	-	-	-	3.060
P-3a - 2 / OSIP 006-07 TH-57 SAFETY UPGRADE	P-3a		-	-	21.797	-	-	12.260	-	-	-	-	-	9.548	-	-	-	-	-	9.548
P-3a - 3 / OSIP 007-07 Wing Wiring	P-3a		-	-	4.777	-	-	0.740	-	-	0.747	-	-	-	-	-	-	-	-	-
P-3a - 4 / Inactive OSIPs	P-3a		-	-	51.174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	179.142	-	-	24.718	-	-	4.166	-	-	12.608	-	-	-	-	-	12.608

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014						
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			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / OSIP 005-04 - T44 AVIONICS OBSOLESCENCE	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119.591
P-3a - 2 / OSIP 006-07 TH-57 SAFETY UPGRADE	P-3a		-	-	28.296	-	-	35.063	-	-	31.203	-	-	36.193	-	-	75.542	-	-	249.902
P-3a - 3 / OSIP 007-07 Wing Wiring	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.264
P-3a - 4 / Inactive OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.174
Total Gross/Weapon System Cost			-	-	28.296	-	-	35.063	-	-	31.203	-	-	36.193	-	-	75.542	-	-	426.931
*For the P-3a, Title represents the Modification Number / Title.																				
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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	101.394	11.718	3.419	3.060	-	3.060	-	-	-	-	-	119.591
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	101.394	11.718	3.419	3.060	-	3.060	-	-	-	-	-	119.591
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	101.394	11.718	3.419	3.060	-	3.060	-	-	-	-	-	119.591
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 20 T-44A in the inventory and all 20 will receive this modification for a total of 54 T-44Cs.

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). In FY14, kits will continue to be commercially procured via FST contract and installed by FRCSE.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 005-04 - T44 AVIONICS OBSOLESCENCE													
A Kits													
Recurring													
1.1.1) Install Kits - A kits - NonOrganic	51 / 12.516	3 / 0.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 13.266	
Subtotal: Recurring	- / 12.516	- / 0.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.266	
Non-Recurring													
1.2.1) Installation Kits Non-recurring - Organic	3 / 5.641	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.641	
Subtotal: Non-Recurring	- / 5.641	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.641	
B Kits													
Recurring													
2.1.1) Install Kits - B kits - Organic	51 / 42.761	3 / 2.821	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 45.582	
2.1.2) Digital Engine Gauges (B kits) - Organic	10 / 0.610	3 / 0.187	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.797	
2.1.3) Digital Engine Gauges - "O" level installation - Organic	16 / 0.965	7 / 0.459	11 / 0.767	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 2.191	
Subtotal: Recurring	- / 44.336	- / 3.467	- / 0.767	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 48.570	
Subtotal: OSIP 005-04 - T44 AVIONICS OBSOLESCENCE	131 / 62.493	16 / 4.217	11 / 0.767	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	158 / 67.477	
Subtotal: Procurement, All Modification Items	- / 62.493	- / 4.217	- / 0.767	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 67.477	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) DATA - Publications	- / 0.344	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.344	
3.3) Training Equipment ⁽¹⁾	14 / 22.707	- / -	- / -	- / 2.676	- / -	- / 2.676	- / -	- / -	- / -	- / -	- / -	14 / 25.383	
3.4) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) Other Support	- / 3.334	- / 0.306	- / 0.494	- / 0.384	- / -	- / 0.384	- / -	- / -	- / -	- / -	- / -	- / 4.518	
3.6) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 26.385	- / 0.306	- / 0.494	- / 3.060	- / -	- / 3.060	- / -	- / -	- / -	- / -	- / -	- / 30.245	
Installation													
Modification Item 1 of 1: OSIP 005-04 - T44 AVIONICS OBSOLESCENCE	- / 12.516	- / 7.195	- / 2.158	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.869	
Subtotal: Installation	- / 12.516	- / 7.195	- / 2.158	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.869	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																							
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 1: OSIP 005-04 - T44 AVIONICS OBSOLESCENCE																																	
Modification Item MDAP/MAIS Code:																																	
Manufacturer Information																																	
Manufacturer Name: Various - Install Kits -A Kits															Manufacturer Location: >Various																		
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 12																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019							
Contract Dates		Nov 2012																															
Delivery Dates		Nov 2013																															
Installation Information																																	
Method of Implementation: FRC SE Government Field Mod Team : Installation Name: Install Kits																																	
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total									
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)									
Prior Years		41 / 12.516		10 / 7.195		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		51 / 19.711							
FY 2013		- / -		- / -		3 / 2.158		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3 / 2.158							
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		41 / 12.516		10 / 7.195		3 / 2.158		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		54 / 21.869							
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	41	3	3	3	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54		
Out	41	3	3	3	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54		
Method of Implementation (Organic): Not Installed - Installation Kits Non-recurring																														Installation Quantity: 3			
Method of Implementation (Organic): Organic - Install Kits - B kits																														Installation Quantity: 54			

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 1: OSIP 005-04 - T44 AVIONICS OBSOLESCENCE		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - Digital Engine Gauges (B kits)		Installation Quantity: 13
Method of Implementation (Organic): Organic - Digital Engine Gauges - "O" level installation		Installation Quantity: 34
Method of Implementation (Organic): Organic - Training Equipment		Installation Quantity: 14
Footnotes: ⁽¹⁾ Increase FY14 to FY15 Training equipment required to retrofit the trainers to be current with the modifications in this OSIP.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	21.797	12.260	-	9.548	-	9.548	28.296	35.063	31.203	36.193	75.542	249.902
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	21.797	12.260	-	9.548	-	9.548	28.296	35.063	31.203	36.193	75.542	249.902
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	21.797	12.260	-	9.548	-	9.548	28.296	35.063	31.203	36.193	75.542	249.902
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 Regulation (FAR) national airspace NextGen requirements by FY20. The effort includes upgrading the aircraft's avionics components, installation of new hardware, and procuring new GBTS to support NextGen compliance and to satisfy documented requirement gaps. GBTS includes full flight simulator training devices, cockpit procedural trainers, computer based training courseware and hardware. A recent technical evaluation by Naval Air Warfare Center Training Systems Division (NAWCTSD) determined that purchasing new GBTS in support of the aircraft modification presented a lower cost and technical risk than modifying the current antiquated GBTS. This decision has resulted in a schedule adjustment and realignment of funding to properly align GBTS and aircraft modification delivery timelines.

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 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) Installation Kits - A kits - NonOrganic ⁽²⁾	1 / 2.810	- / -	- / -	- / -	- / -	- / -	39 / 0.765	23 / 0.451	32 / 0.627	32 / 0.627	- / -	127 / 5.280	
Subtotal: Recurring	- / 2.810	- / -	- / -	- / -	- / -	- / -	- / 0.765	- / 0.451	- / 0.627	- / 0.627	- / -	- / 5.280	
Non-Recurring													
1.2.1) Installation Kits Non-recurring - NonOrganic	- / 2.656	- / -	- / -	- / 4.720	- / -	- / 4.720	- / 2.100	- / -	- / -	- / -	- / -	- / 9.476	
Subtotal: Non-Recurring	- / 2.656	- / -	- / -	- / 4.720	- / -	- / 4.720	- / 2.100	- / -	- / -	- / -	- / -	- / 9.476	
B Kits													
Recurring													
2.1.1) HF Radios - NonOrganic	- / -	- / -	- / -	126 / 1.900	- / -	126 / 1.900	- / -	- / -	- / -	- / -	- / -	126 / 1.900	
2.1.2) Installation Equipment - B kits - Organic ⁽³⁾	- / 0.020	- / -	- / -	- / -	- / -	- / -	39 / 1.764	23 / 1.040	32 / 1.447	32 / 1.447	- / -	126 / 5.718	
2.1.3) Radar Altimeter Kits - NonOrganic	- / -	126 / 2.852	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	126 / 2.852	
Subtotal: Recurring	- / 0.020	- / 2.852	- / -	- / 1.900	- / -	- / 1.900	- / 1.764	- / 1.040	- / 1.447	- / 1.447	- / -	- / 10.470	
Subtotal: OSIP 006-07 TH-57 SAFETY UPGRADE	1 / 5.486	126 / 2.852	- / -	126 / 6.620	- / -	126 / 6.620	78 / 4.629	46 / 1.491	64 / 2.074	64 / 2.074	- / -	505 / 25.226	
Subtotal: Procurement, All Modification Items	- / 5.486	- / 2.852	- / -	- / 6.620	- / -	- / 6.620	- / 4.629	- / 1.491	- / 2.074	- / 2.074	- / -	- / 25.226	
Support (All Modification Items)													
3.1) DATA - Publications ⁽⁴⁾	- / 0.031	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.660	- / 0.671	- / 0.683	- / -	- / 2.045	
3.2) Training Equipment - Trainer OFT ⁽⁵⁾	- / 7.971	- / -	- / -	- / -	- / -	- / -	- / 19.230	- / 25.625	- / 20.150	- / 24.861	- / 47.940	- / 145.777	
3.3) ILS ⁽⁶⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.200	- / 1.221	- / -	- / 2.421	
3.4) Other Support ⁽⁷⁾	- / 7.095	- / 8.208	- / -	- / 1.728	- / -	- / 1.728	- / 4.437	- / 6.627	- / 6.719	- / 6.812	- / 27.060	- / 68.686	
3.5) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.8) New Cost Element	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 15.097	- / 8.208	- / -	- / 1.728	- / -	- / 1.728	- / 23.667	- / 32.912	- / 28.740	- / 33.577	- / 75.000	- / 218.929	
Installation													
Modification Item 1 of 1: OSIP 006-07 TH-57 SAFETY UPGRADE	- / 1.214	- / 1.200	- / -	- / 1.200	- / -	- / 1.200	- / -	- / 0.660	- / 0.389	- / 0.542	- / 0.542	- / 5.747	

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 1.214	- / 1.200	- / -	- / 1.200	- / -	- / 1.200	- / -	- / 0.660	- / 0.389	- / 0.542	- / 0.542
Total												
Total Cost (Procurement + Support + Installation)	21.797	12.260	-	9.548	-	9.548	28.296	35.063	31.203	36.193	75.542	249.902

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: TBD - Installation Kits - A Kits							Manufacturer Location: >TBD					
Administrative Leadtime <i>(in Months)</i> : 10							Production Leadtime <i>(in Months)</i> : 3					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates				Jul 2016	Jul 2017	Jul 2018	Jul 2019					
Delivery Dates				Oct 2016	Oct 2017	Oct 2018	Oct 2019					
Manufacturer Name: L-3 Vertex - HF Radios							Manufacturer Location: >Madison, Mississippi					
Administrative Leadtime <i>(in Months)</i> : 4							Production Leadtime <i>(in Months)</i> : 0					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Jan 2015									
Delivery Dates			Jan 2015									
Manufacturer Name: L-3 Vertex - Radar Altimeter Kits							Manufacturer Location: >Madison, Mississippi					
Administrative Leadtime <i>(in Months)</i> : 5							Production Leadtime <i>(in Months)</i> : 0					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Feb 2014										
Delivery Dates		Feb 2014										
Installation Information												
Method of Implementation: Contractor Field Mod Team : Installation Name: Install Kits												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>
Prior Years	1 / 1.214	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.214
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 0.660	- / -	- / -	- / -	39 / 0.660
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 0.389	- / -	- / -	23 / 0.389
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.542	- / -	32 / 0.542
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.542	32 / 0.542
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 1.214	- / -	- / -	- / -	- / -	- / -	- / -	39 / 0.660	23 / 0.389	32 / 0.542	32 / 0.542	127 / 3.347

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: Install Kits

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10	10	9	6	6	6	5	8	8	8	8	32	127
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10	10	9	6	6	6	5	8	8	8	8	32	127

Method of Implementation: Contractor Field Mod Team : Installation Name: HF Radios

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	126 / 1.200	- / -	126 / 1.200	- / -	- / -	- / -	- / -	- / -	126 / 1.200
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	126 / 1.200	- / -	126 / 1.200	- / -	- / -	- / -	- / -	- / -	126 / 1.200

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: Radar Altimeter Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / 1.200	126 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	126 / 1.200
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / 1.200	126 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	126 / 1.200

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 (Organic): Organic - Installation Equipment - B kits

Installation Quantity: 126

Footnotes:

- (2) In FY16 and out, kits will be procured as part of the upgrade to comply with NextGen requirements.
- (3) In FY16 and out, kits will be procured as part of the upgrade to comply with NextGen requirements.
- (4) In FY17, data pubs will be procured as part of the upgrade to comply with NextGen requirements.
- (5) FY16 begins simulator and courseware upgrade. Variance per FY relates to the mix being procured.
- (6) In FY18, ILS is required for Information Assurance and Information Technology approval.
- (7) The spike in labor from FY14 to FY15 was due to miscellaneous adjustments.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0549 / Trainer Acft Series	Modification Number / Title: 3 / OSIP 007-07 Wing Wiring

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	4.777	0.740	0.747	-	-	-	-	-	-	-	-	6.264
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	4.777	0.740	0.747	-	-	-	-	-	-	-	-	6.264
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	4.777	0.740	0.747	-	-	-	-	-	-	-	-	6.264
<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>	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Description:

The Naval Air Systems Command Wiring System Team, AIR-4.4.4.3, completed a Wiring Integrity Study on the T-44A in FY02 and identified that the aircraft wiring, outside the pressure vessel, has deteriorated to an unacceptable condition. It was recommended that the wiring in the wings, from pressure vessel outward (including the engines) be replaced. Current Navy long-term plans are to operate the T-44A aircraft until the year 2025. In order to safely and economically maintain aircraft availability and Pilot Training Requirements, it is necessary to replace the wiring. Note that aircraft designated T-44A are redesignated T-44C upon completion of Avionics Obsolescence (Operational, Safety, and Improvement Program 005-04) Modifications.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Wing rewire will be accomplished in conjunction with Avionics Upgrade Mod (OSIP 05-04). Fleet Readiness Center Southeast (FRCSE) is now able to fabricate the wiring kits. In FY13, kits were not procured via Fleet Support Team (FST) contract, but fabricated by FRCSE; this will continue through FY14.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0549 / Trainer Acft Series				Modification Number / Title: 3 / OSIP 007-07 Wing Wiring					
Models of Systems Affected: T-44-A/C				Modification Type: Safety				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 007-07 Wing Wiring													
A Kits													
Recurring													
1.1.1) Installation Kits - Wing Wiring - NonOrganic ⁽⁸⁾	48 / 4.591	3 / 0.740	3 / 0.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 6.078	
Subtotal: Recurring	- / 4.591	- / 0.740	- / 0.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.078	
Subtotal: OSIP 007-07 Wing Wiring	48 / 4.591	3 / 0.740	3 / 0.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 6.078	
Subtotal: Procurement, All Modification Items	- / 4.591	- / 0.740	- / 0.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.078	
Support (All Modification Items)													
2.1) Support Equipment	- / 0.048	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.048	
2.2) Interim Contractor Support	- / 0.138	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.138	
2.3) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.4) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.5) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.6) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.7) Other Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.186	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.186	
Installation													
Modification Item 1 of 1: OSIP 007-07 Wing Wiring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	4.777	0.740	0.747	-	-	-	-	-	-	-	-	6.264	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0549 / Trainer Acft Series	Modification Number / Title: 3 / OSIP 007-07 Wing Wiring

Modification Item 1 of 1: OSIP 007-07 Wing Wiring

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Various - Wing Wiring ⁽⁹⁾

Manufacturer Location: >various

Administrative Leadtime *(in Months)*: 0

Production Leadtime *(in Months)*: 0

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Concurrent with Avionics Upgrade Modification at Fleet Readiness Center NAS Jacksonville : Installat

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.000
FY 2013	- / -	3 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / -
FY 2014	- / -	- / -	3 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	48 / 0.000	3 / -	3 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / -

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	48	1	1	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	
Out	48	1	1	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	

Footnotes:

⁽⁸⁾ Installations are funded out of OSIP 05-04, Avionics Obsolescence; FY13 and FY14 kits are installed same year manufactured.

⁽⁹⁾ Concurrent with Avionics Upgrade Modification at Fleet Readiness Center NAS Jacksonville. 1. Installs funded out of OSIP 05-04.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0549 / Trainer Acft Series	Modification Number / Title: 4 / Inactive OSIPs

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0549 / Trainer Acft Series					Modification Number / Title: 4 / Inactive OSIPs					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:						
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total		
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 51.174	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 51.174		
Subtotal: Recurring	- / 51.174	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 51.174		
Subtotal: Inactive OSIPs	- / 51.174	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 51.174		
Subtotal: Procurement, All Modification Items	- / 51.174	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 51.174		
Installation														
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -		
Total														
Total Cost (Procurement + Support + Installation)	51.174	-	-	-	-	-	-	-	-	-	-	51.174		

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0549 / Trainer Acft Series			Modification Number / Title: 4 / Inactive OSIPs		
Modification Item 1 of 1: Inactive OSIPs							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy	Date: March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	451.676	4.571	0.902	-	-	-	4.448	4.525	4.582	4.669	3.289	478.662
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	451.676	4.571	0.902	-	-	-	4.448	4.525	4.582	4.669	3.289	478.662
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	451.676	4.571	0.902	-	-	-	4.448	4.525	4.582	4.669	3.289	478.662
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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) is 10,000 flight hours with 15,000 landings. Service Life Extension Program (SLEP) modifications increase the service life to 15,000 flight hours and 36,000 landings, remove and replace all aircraft wiring 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 C-2A(R) SLEP (24-94) and 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.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / 024-94 C-2A SLEP	P-3a		-	-	432.398	-	-	4.438	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / 011-07 Critical Components	P-3a		-	-	12.178	-	-	0.133	-	-	0.902	-	-	-	-	-	-	-	-	-
P-3a - 3 / 004-16 C-2 Critical Brake Upgrade	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 4 / Inactive OSIPS	P-3a		-	-	7.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	451.676	-	-	4.571	-	-	0.902	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / 024-94 C-2A SLEP	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	436.836	
P-3a - 2 / 011-07 Critical Components	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.213	
P-3a - 3 / 004-16 C-2 Critical Brake Upgrade	P-3a		-	-	4.448	-	-	4.525	-	-	4.582	-	-	4.669	-	-	3.289	-	-	21.513	
P-3a - 4 / Inactive OSIPS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.100	
Total Gross/Weapon System Cost			-	-	4.448	-	-	4.525	-	-	4.582	-	-	4.669	-	-	3.289	-	-	478.662	
*For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: The current C-2A(R) SLEP modification programs (Rewire & NP2000) completed in FY13. The Critical Components program will complete in FY14, 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 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0556 / C-2A	Modification Number / Title: 1 / 024-94 C-2A SLEP

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	432.398	4.438	-	-	-	-	-	-	-	-	-	436.836
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	432.398	4.438	-	-	-	-	-	-	-	-	-	436.836
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	432.398	4.438	-	-	-	-	-	-	-	-	-	436.836
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The C-2A(R) Block Upgrade/Service Life Extension Program extends the Navy's Carrier Onboard Delivery capability beyond current projected service life. Efforts funded in this Operational Safety and Improvement Program (OSIP) include Structural Enhancements, Aircraft Rewiring, L-Probe Kit, CAINS I I, ARC-210 Radios, Trim Actuators, Outer Wing Panel Enhancements, and NP-2000 (8 bladed propeller).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Development and Operational Testing (DT and OT) have been completed for the Structures and Rewire efforts included in this OSIP. Aircraft Rewire effort experienced technical difficulties during initial validation process and program was restructured resulting in a 2 year slip. Procurement of Rewire kits commenced in FY06. NP2000 has also experienced delays due to test article issues related to the program. It has also experienced a two year slip and has been restructured. DT and OT for NP2000 completed in 1st Qtr FY 2008.

All current C-2A SLEP/Modifications programs (Rewire & NP2000) completed in FY13.

Current Active Modifications:

NP2000
Rewire (AFC-162)

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A				Modification Number / Title: 1 / 024-94 C-2A SLEP					
Models of Systems Affected: C-2A(R) Aircraft				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: 024-94 C-2A SLEP													
A Kits													
Recurring													
1.1.1) NP2000 - NonOrganic	19 / 1.970	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 1.970	
1.1.2) Rewire (AFC-162) - NonOrganic	32 / 24.609	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 24.609	
1.1.3) ARCHIVE Modifications - Organic ⁽¹⁾	319 / 37.326	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	319 / 37.326	
1.1.4) PY Installs - Organic	- / 61.744	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 61.744	
Subtotal: Recurring	- / 125.649	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 125.649	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	6 / 45.278	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 45.278	
Subtotal: Non-Recurring	- / 45.278	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 45.278	
B Kits													
Recurring													
2.1.1) Installation Equipment - CAINS II B Kits - Organic	50 / 6.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 6.105	
Subtotal: Recurring	- / 6.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.105	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 4.244	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.244	
Subtotal: Non-Recurring	- / 4.244	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.244	
Subtotal: 024-94 C-2A SLEP	426 / 181.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	426 / 181.276	
Subtotal: Procurement, All Modification Items	- / 181.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 181.276	
Support (All Modification Items)													
3.1) Data	- / 17.118	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.118	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 9.331	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.331	
3.4) Support Equipment	- / 14.911	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.911	
3.5) Total ILS	- / 17.784	- / 0.303	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.087	
3.6) Other Support	- / 151.404	- / 0.982	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 152.386	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 190.548	- / 1.285	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 191.833	
Installation													
Modification Item 1 of 1: 024-94 C-2A SLEP	- / 60.574	- / 3.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 63.727	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A					Modification Number / Title: 1 / 024-94 C-2A SLEP				
Models of Systems Affected: C-2A(R) Aircraft				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 60.574	- / 3.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 63.727	
Total													
Total Cost (Procurement + Support + Installation)	432.398	4.438	-	-	-	-	-	-	-	-	-	436.836	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy			Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0556 / C-2A			Modification Number / Title: 1 / 024-94 C-2A SLEP

Modification Item 1 of 1: 024-94 C-2A SLEP

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Manufacturer Name Not Provided.

Manufacturer Location: Manufacturer Location Not Provided.

Administrative Leadtime (*in Months*):

Production Leadtime (*in Months*):

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Concurrent with PMI Drive in Mod : Installation Name: NP2000

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 3.578	2 / 0.821	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 4.399
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	17 / 3.578	2 / 0.821	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 4.399

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
Out	17	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19

Method of Implementation: Concurrent with PMI & Field Mod Team : Installation Name: Rewire (AFC-162)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	31 / 56.996	1 / 2.332	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 59.328

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0556 / C-2A					Modification Number / Title: 1 / 024-94 C-2A SLEP																					
Modification Item 1 of 1: 024-94 C-2A SLEP																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Concurrent with PMI & Field Mod Team : Installation Name: Rewire (AFC-162)																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>																		
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total	31 / 56.996	1 / 2.332	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 59.328																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	31	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
Out	28	1	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
Method of Implementation (Organic): Not Installed - ARCHIVE Modifications																				Installation Quantity: 319											
Method of Implementation (Organic): Not Installed - Installation Kits N/R																				Installation Quantity: 6											
Method of Implementation (Organic): Not Installed - Installation Equipment - CAINS II B Kits																				Installation Quantity: 50											
Footnotes:																															
⁽¹⁾ Archived installs are in the PYs, please see PY install cost element.																															

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0556 / C-2A	Modification Number / Title: 2 / 011-07 Critical Components

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	12.178	0.133	0.902	-	-	-	-	-	-	-	-	13.213
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	12.178	0.133	0.902	-	-	-	-	-	-	-	-	13.213
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	12.178	0.133	0.902	-	-	-	-	-	-	-	-	13.213
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The C-2A(*R) Service Life Extension Program (SLEP) extends 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 FY14 request is to procure 6 kits for ECP Structural for the incorporation of Nacelle Interchangeability and it's associated program support.

Current Active Modifications:
Structural

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A					Modification Number / Title: 2 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽²⁾	21 / 0.195	7 / 0.071	6 / 0.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 0.330	
1.1.2) ARCHIVE Modification - Organic ⁽³⁾	105 / 4.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	105 / 4.025	
1.1.3) PY Installs - Organic	- / 0.461	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.461	
Subtotal: Recurring	- / 4.681	- / 0.071	- / 0.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.816	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	8 / 1.637	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.637	
Subtotal: Non-Recurring	- / 1.637	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.637	
B Kits													
Recurring													
2.1.1) Installation Equipment - Organic	- / 0.470	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.470	
Subtotal: Recurring	- / 0.470	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.470	
Subtotal: 011-07 Critical Components	134 / 6.788	7 / 0.071	6 / 0.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	147 / 6.923	
Subtotal: Procurement, All Modification Items	- / 6.788	- / 0.071	- / 0.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.923	
Support (All Modification Items)													
3.1) Data	- / 0.370	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.370	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.013	
3.4) Support Equipment	- / 0.007	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.007	
3.5) ILS	- / 0.071	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.071	
3.6) Other Support ⁽⁴⁾	- / 4.929	- / 0.062	- / 0.838	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.829	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 5.390	- / 0.062	- / 0.838	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.290	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	12.178	0.133	0.902	-	-	-	-	-	-	-	-	13.213	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0556 / C-2A			Modification Number / Title: 2 / 011-07 Critical Components	
Modification Item 1 of 1: 011-07 Critical Components							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - Structural					Installation Quantity: 34		
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: ⁽²⁾ Multiple ECP's are starting and stopping within the Critical Components program, so funding cannot be analyzed at a level inflation rate. ⁽³⁾ All installs are in the PYs, please see PY install cost element. ⁽⁴⁾ Multiple ECP's are starting and stopping 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 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0556 / C-2A	Modification Number / Title: 3 / 004-16 C-2 Critical Brake Upgrade

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	-	-	-	-	-	4.448	4.525	4.582	4.669	3.289	21.513
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	-	-	-	-	4.448	4.525	4.582	4.669	3.289	21.513
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	-	-	-	-	-	4.448	4.525	4.582	4.669	3.289	21.513
(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)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A				Modification Number / Title: 3 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: 004-16 C-2 Critical Brake Upgrade												
A Kits												
Recurring												
1.1.1) Critical Brakes - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.019	9 / 1.557	9 / 1.585	9 / 1.613	- / -	33 / 5.774
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.019	- / 1.557	- / 1.585	- / 1.613	- / -	- / 5.774
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.170	- / -	- / -	- / -	- / -	1 / 0.170
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.170	- / -	- / -	- / -	- / -	- / 0.170
Subtotal: 004-16 C-2 Critical Brake Upgrade	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.189	9 / 1.557	9 / 1.585	9 / 1.613	- / -	34 / 5.944
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.189	- / 1.557	- / 1.585	- / 1.613	- / -	- / 5.944
Support (All Modification Items)												
3.1) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.136	- / 0.110	- / -	- / -	- / -	- / 0.246
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.333	- / 0.338	- / 0.343	- / 0.349	- / 0.288	- / 1.651
3.4) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.568	- / 0.050	- / -	- / -	- / -	- / 0.618
3.6) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.222	- / 1.973	- / 2.003	- / 2.045	- / 2.327	- / 10.570
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 3.259	- / 2.471	- / 2.346	- / 2.394	- / 2.615	- / 13.085
Installation												
Modification Item 1 of 1: 004-16 C-2 Critical Brake Upgrade	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.497	- / 0.651	- / 0.662	- / 0.674	- / 2.484
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.497	- / 0.651	- / 0.662	- / 0.674	- / 2.484
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	4.448	4.525	4.582	4.669	3.289	21.513

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A				Modification Number / Title: 3 / 004-16 C-2 Critical Brake Upgrade																											
Modification Item 1 of 1: 004-16 C-2 Critical Brake Upgrade																																			
Modification Item MDAP/MAIS Code:																																			
Manufacturer Information																																			
Manufacturer Name: Critical Brake Upgrade							Manufacturer Location: >New MFG - Loc																												
Administrative Leadtime <i>(in Months)</i> : 1							Production Leadtime <i>(in Months)</i> : 12																												
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																												
Contract Dates				Oct 2015	Oct 2016	Oct 2017	Oct 2018																												
Delivery Dates				Oct 2016	Oct 2017	Oct 2018	Oct 2019																												
Installation Information																																			
Method of Implementation: Field Mod Team : Installation Name: Critical Brake Upgrade																																			
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
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																							
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.497	9 / 0.651	9 / 0.662	9 / 0.674	33 / 2.484																							
Installation Schedule																																			
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	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	9	33				
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	-	3	2	2	2	3	2	2	2	9	33				
Method of Implementation (Organic): Not Installed - Installation Kits N/R																																Installation Quantity: 1			

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0556 / C-2A	Modification Number / Title: 4 / Inactive OSIPS

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	7.100	-	-	-	-	-	-	-	-	-	-	7.100
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	7.100	-	-	-	-	-	-	-	-	-	-	7.100
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7.100	-	-	-	-	-	-	-	-	-	-	7.100
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0556 / C-2A					Modification Number / Title: 4 / Inactive OSIPS			
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	- / 7.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.100	
<i>Subtotal: Support</i>	- / 7.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.100	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	7.100	-	-	-	-	-	-	-	-	-	-	7.100	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0556 / C-2A			Modification Number / Title: 4 / Inactive OSIPS	
Modification Item 1 of 1: N/A							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy									Date: March 2014																					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total																		
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-																		
Gross/Weapon System Cost (<i>\$ in Millions</i>)	382.323	50.110	46.393	40.378	-	40.378	62.587	31.428	64.502	91.477	308.849	1,078.047																		
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-																		
Net Procurement (P1) (<i>\$ in Millions</i>)	382.323	50.110	46.393	40.378	-	40.378	62.587	31.428	64.502	91.477	308.849	1,078.047																		
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-																		
Total Obligation Authority (<i>\$ in Millions</i>)	382.323	50.110	46.393	40.378	-	40.378	62.587	31.428	64.502	91.477	308.849	1,078.047																		
<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>)	-	-	-	-	-	-	-	-	-	-	-	-																		
[#] The FY 2015 OCO Request will be submitted at a later date.																														
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: <table style="width:100%; border:none;"> <tr> <td>T/M/S Service Date</td> <td>Service Life</td> <td>Expected Life</td> </tr> <tr> <td>C-130T</td> <td>10/91 - 11/95</td> <td>450 mos. 2028-2032</td> </tr> <tr> <td>KC-130F</td> <td>03/60 - 11/62</td> <td>600 Mos. 2019-2022</td> </tr> <tr> <td>KC-130R</td> <td>09/75 - 06/78</td> <td>480 mos. 2015-2017</td> </tr> <tr> <td>KC-130T</td> <td>04/84 - 02/96</td> <td>450 mos. 2021-2033</td> </tr> <tr> <td>KC-130J</td> <td>09/00 - 10/26</td> <td>450 mos. 2037-2063</td> </tr> </table> Note: Controls locked prior to updating the "To Complete" cost. In order to reflect the correct program funding profile, supporting exhibits reflect actual "To Complete" cost. The P-40 should have a "To Complete" Gross Weapon System Cost of \$472.196.													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
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019																				
Navy	Quantity	-	-	-	-	-	-	-	-	-																				
	Total Obligation Authority	40.582	27.482	21.597	-	21.597	40.114	10.248	44.015	70.518																				

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014							
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 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019			
NR	Quantity		-		-		-		-		-		-		-		-		-		
	Total Obligation Authority		9.528		18.911		18.781		-		18.781		22.473		21.180		20.487		20.959		
Total: Secondary Distribution	Quantity		-		-		-		-		-		-		-		-		-		
	Total Obligation Authority		50.110		46.393		40.378		-		40.378		62.587		31.428		64.502		91.477		
Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)	P-3a		-	-	106.073	-	-	14.614	-	-	18.887	-	-	8.366	-	-	-	-	-	8.366	
P-3a - 2 / Avionics / Obsolescence Upgrades (OSIP 008-12)	P-3a		-	-	19.027	-	-	9.528	-	-	18.911	-	-	18.781	-	-	-	-	-	18.781	
P-3a - 3 / KC-130J Propeller Reliability Improvement Program (OSIP 019-12)	P-3a		-	-	10.000	-	-	0.619	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 4 / Electronic Counter Measures (OSIP 020-12)	P-3a		-	-	27.571	-	-	21.925	-	-	1.731	-	-	4.015	-	-	-	-	-	4.015	
P-3a - 5 / Hose Reel Reliability Improvements (OSIP 007-13)	P-3a		-	-	0.000	-	-	2.299	-	-	1.364	-	-	0.964	-	-	-	-	-	0.964	
P-3a - 6 / Battlefield Illumination Flare Dispensers (OSIP 008-13)	P-3a		-	-	0.000	-	-	1.125	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 7 / Technical Insertion (OSIP 019-14)	P-3a		-	-	0.000	-	-	-	-	-	5.500	-	-	8.252	-	-	-	-	-	8.252	
P-3a - 8 / Inactive OSIPs	P-3a		-	-	219.652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Gross/Weapon System Cost			-	-	382.323	-	-	50.110	-	-	46.393	-	-	40.378	-	-	-	-	-	40.378	
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)	P-3a		-	-	2.541	-	-	2.269	-	-	2.717	-	-	4.227	-	-	-	-	-	159.694	
P-3a - 2 / Avionics / Obsolescence Upgrades (OSIP 008-12)	P-3a		-	-	22.473	-	-	21.180	-	-	20.487	-	-	20.959	-	-	37.514	-	-	188.860	

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014							
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			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 3 / KC-130J Propeller Reliability Improvement Program (OSIP 019-12)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.619	
P-3a - 4 / Electronic Counter Measures (OSIP 020-12)	P-3a		-	-	16.134	-	-	3.265	-	-	3.330	-	-	16.470	-	-	211.981	-	-	306.422	
P-3a - 5 / Hose Reel Reliability Improvements (OSIP 007-13)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.627	
P-3a - 6 / Battlefield Illumination Flare Dispensers (OSIP 008-13)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.125	
P-3a - 7 / Technical Insertion (OSIP 019-14)	P-3a		-	-	21.439	-	-	4.714	-	-	37.968	-	-	49.821	-	-	222.701	-	-	350.395	
P-3a - 8 / Inactive OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	219.652	
Total Gross/Weapon System Cost			-	-	62.587	-	-	31.428	-	-	64.502	-	-	91.477	-	-	308.849	-	-	1,078.047	
*For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					

Justification:

Basis for FY2015 Budget request: Provides funding to procure aircraft modifications for the C/KC-130 program.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	106.073	14.614	18.887	8.366	-	8.366	2.541	2.269	2.717	4.227	-	159.694
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	106.073	14.614	18.887	8.366	-	8.366	2.541	2.269	2.717	4.227	-	159.694
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	106.073	14.614	18.887	8.366	-	8.366	2.541	2.269	2.717	4.227	-	159.694

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 capability to launch precision guided munitions from within the aircraft while pressurized, video datalink connectivity, Hellfire P4/N4 compatibility and will address obsolescence 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 first kit successfully completed test and was fielded in support of Operation Enduring Freedom in October of 2010. This OSIP provides funding to procure additional kits. Total requirement is for 6 KC-130J ISR/Weapons Mission B Kits installed on 10 aircraft. 9 A- Kits in FY15 address obsolescence issues and fleet capability gaps. 10 A-Kits in FY16-FY19 address fleet capability gaps.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) A Kit - Organic	10 / 24.019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 24.019	
1.1.2) SOPGM/TSS/VDL/ViaSat A Kit - Organic ⁽¹⁾	10 / 0.940	- / -	8 / 2.640	9 / 3.375	- / -	9 / 3.375	1 / 0.255	1 / 0.261	1 / 0.266	7 / 1.890	- / -	37 / 9.627	
Subtotal: Recurring	- / 24.959	- / -	- / 2.640	- / 3.375	- / -	- / 3.375	- / 0.255	- / 0.261	- / 0.266	- / 1.890	- / -	- / 33.646	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / -	- / 0.328	- / 5.114	- / 2.704	- / -	- / 2.704	- / 0.391	- / 0.121	- / 0.068	- / -	- / -	- / 8.726	
Subtotal: Non-Recurring	- / 0.000	- / 0.328	- / 5.114	- / 2.704	- / -	- / 2.704	- / 0.391	- / 0.121	- / 0.068	- / -	- / -	- / 8.726	
B Kits													
Recurring													
2.1.1) TSS/MX-20 Sensor Kit - Organic ⁽²⁾	7 / 16.426	2 / 3.810	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 20.236	
2.1.2) GFE - Organic	- / -	- / 0.545	- / 0.370	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.915	
2.1.3) SOPGM/BMS/TSS/VDL/ViaSat B Kit - Organic ⁽³⁾	12 / 47.491	4 / 6.090	5 / 3.371	- / -	- / -	- / -	1 / 0.326	2 / 0.664	2 / 0.676	2 / 0.688	- / -	28 / 59.306	
Subtotal: Recurring	- / 63.917	- / 10.445	- / 3.741	- / -	- / -	- / -	- / 0.326	- / 0.664	- / 0.676	- / 0.688	- / -	- / 80.457	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽⁴⁾	- / 2.568	- / 2.707	- / 5.381	- / 0.540	- / -	- / 0.540	- / 0.488	- / 0.122	- / 0.069	- / -	- / -	- / 11.875	
Subtotal: Non-Recurring	- / 2.568	- / 2.707	- / 5.381	- / 0.540	- / -	- / 0.540	- / 0.488	- / 0.122	- / 0.069	- / -	- / -	- / 11.875	
Subtotal: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)	39 / 91.444	6 / 13.480	13 / 16.876	9 / 6.619	- / -	9 / 6.619	2 / 1.460	3 / 1.168	3 / 1.079	9 / 2.578	- / -	84 / 134.704	
Subtotal: Procurement, All Modification Items	- / 91.444	- / 13.480	- / 16.876	- / 6.619	- / -	- / 6.619	- / 1.460	- / 1.168	- / 1.079	- / 2.578	- / -	- / 134.704	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.035	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.035	
3.2) Data	- / 0.294	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.350	- / -	- / 0.644	
3.3) Training Equipment	- / 1.049	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.516	- / 0.155	- / -	- / 1.720	
3.4) Support Equipment	- / 1.383	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.483	
3.5) ILS	- / 1.510	- / 0.074	- / 0.714	- / 0.728	- / -	- / 0.728	- / 0.393	- / 0.400	- / 0.408	- / 0.416	- / -	- / 4.643	
3.6) Other Support	- / 5.143	- / 0.960	- / 1.297	- / 1.019	- / -	- / 1.019	- / 0.688	- / 0.701	- / 0.714	- / 0.728	- / -	- / 11.250	
3.7) Interim Contractor Support	- / 5.215	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.215	
Subtotal: Support	- / 14.629	- / 1.134	- / 2.011	- / 1.747	- / -	- / 1.747	- / 1.081	- / 1.101	- / 1.638	- / 1.649	- / -	- / 24.990	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - A Kit					Installation Quantity: 10		
Method of Implementation (Organic): Organic - SOPGM/TSS/VDL/ViaSat A Kit					Installation Quantity: 37		
Method of Implementation (Organic): Organic - TSS/MX-20 Sensor Kit					Installation Quantity: 9		
Method of Implementation (Organic): Organic - SOPGM/BMS/TSS/VDL/ViaSat B Kit					Installation Quantity: 28		
Footnotes: ⁽¹⁾ Kit cost based on the upgrade requirement in each FY; not by the inflation factor. Installation costs are imbedded in the Firm Fixed Price for ISR/Weapons Mission A Kits. PY includes 10 ISR/Weapon Mission A Kits and 10 SOPGM A Kits. FY15 includes 9 VDL A Kits/Installs. FY16-19 includes 10 ViaSat A Kits/Installs. ⁽²⁾ Kit cost based on the upgrade requirement in each FY; not by the inflation factor. ⁽³⁾ Kit cost based on the upgrade requirement in each FY; not by the inflation factor. PY includes 6 ISR/Weapon B Kits and 6 SOPGM B Kits. FY13 increase in funding due to shift in HQMC priorities. ⁽⁴⁾ Increase in FY14 NR is due to the increased quantity of SOPGM "B" kits being procured.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	19.027	9.528	18.911	18.781	-	18.781	22.473	21.180	20.487	20.959	37.514	188.860
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	19.027	9.528	18.911	18.781	-	18.781	22.473	21.180	20.487	20.959	37.514	188.860
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	19.027	9.528	18.911	18.781	-	18.781	22.473	21.180	20.487	20.959	37.514	188.860
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 will be installed and tested (validation) followed by a second aircraft (verification) 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, dependent upon status of transition to KC-130J aircraft.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	2 / 1.174	4 / 2.420	3 / 1.869	3 / 1.923	4 / 2.644	2 / 1.307	18 / 11.387
Subtotal: Recurring	- / 0.050	- / -	- / -	- / 1.174	- / -	- / 1.174	- / 2.420	- / 1.869	- / 1.923	- / 2.644	- / 1.307	- / 11.387
B Kits												
Recurring												
2.1.1) B Kits - Organic	- / -	- / -	- / -	2 / 5.724	- / -	2 / 5.724	4 / 12.822	3 / 9.905	3 / 10.202	4 / 14.011	2 / 7.138	18 / 59.802
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 5.724	- / -	- / 5.724	- / 12.822	- / 9.905	- / 10.202	- / 14.011	- / 7.138	- / 59.802
Non-Recurring												
2.2.1) NRE - Government - NonOrganic ⁽⁵⁾	- / 1.366	1 / 5.499	1 / 4.951	- / 2.547	- / -	- / 2.547	- / 3.821	- / -	- / -	- / -	- / -	2 / 18.184
2.2.2) NRE - Contractor - Organic ⁽⁶⁾	- / 12.913	- / 0.688	- / 12.400	- / 7.904	- / -	- / 7.904	- / -	- / -	- / -	- / -	- / -	- / 33.905
Subtotal: Non-Recurring	- / 14.279	- / 6.187	- / 17.351	- / 10.451	- / -	- / 10.451	- / 3.821	- / -	- / -	- / -	- / -	- / 52.089
Subtotal: Avionics /Obsolescence Upgrades (OSIP 008-12)	- / 14.329	1 / 6.187	1 / 17.351	4 / 17.349	- / -	4 / 17.349	8 / 19.063	6 / 11.774	6 / 12.125	8 / 16.655	4 / 8.445	38 / 123.278
Subtotal: Procurement, All Modification Items	- / 14.329	- / 6.187	- / 17.351	- / 17.349	- / -	- / 17.349	- / 19.063	- / 11.774	- / 12.125	- / 16.655	- / 8.445	- / 123.278
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.477	- / 0.442	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / 1.119
3.3) Training Equipment ⁽⁷⁾	- / 0.103	- / 1.100	- / -	- / -	- / -	- / -	- / -	- / 1.673	- / 2.270	- / -	- / 13.893	- / 19.039
3.4) Support Equipment	- / 2.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / 2.410
3.5) ILS	- / 0.379	- / 0.112	- / -	- / -	- / -	- / -	- / -	- / 0.199	- / 0.205	- / 0.192	- / 0.400	- / 1.487
3.6) Other Support	- / 1.529	- / 1.687	- / -	- / -	- / -	- / -	- / -	- / 0.501	- / 0.517	- / 0.468	- / 1.391	- / 6.093
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 4.698	- / 3.341	- / -	- / -	- / -	- / -	- / -	- / 2.373	- / 2.992	- / 0.660	- / 16.084	- / 30.148
Installation												
Modification Item 1 of 1: Avionics /Obsolescence Upgrades (OSIP 008-12)	- / 0.000	- / -	- / 1.560	- / 1.432	- / -	- / 1.432	- / 3.410	- / 7.033	- / 5.370	- / 3.644	- / 12.985	- / 35.434
Subtotal: Installation	- / 0.000	- / -	- / 1.560	- / 1.432	- / -	- / 1.432	- / 3.410	- / 7.033	- / 5.370	- / 3.644	- / 12.985	- / 35.434
Total												

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)	19.027	9.528	18.911	18.781	-	18.781	22.473	21.180	20.487	20.959	37.514	188.860

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
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)																																							
Modification Item MDAP/MAIS Code:																																							
Manufacturer Information																																							
Manufacturer Name: Multiple															Manufacturer Location: >TBD - A Kits																								
Administrative Leadtime <i>(in Months)</i> : 1															Production Leadtime <i>(in Months)</i> : 12																								
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019													
Contract Dates		Oct 2012				Oct 2013				Oct 2014				Jan 2016				Oct 2016				Oct 2017				Oct 2018													
Delivery Dates		Oct 2013				Oct 2014				Oct 2015				Jan 2017				Oct 2017				Oct 2018				Oct 2019													
Installation Information																																							
Method of Implementation: Contractor Drive-In Modifications : Installation Name: Avionics/Obsolescence Upgrades																																							
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total															
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013		- / -		- / -		1 / 1.560		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 1.560													
FY 2014		- / -		- / -		- / -		1 / 1.432		- / -		1 / 1.432		- / -		- / -		- / -		- / -		- / -		- / -		1 / 1.432													
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		2 / 3.410		- / -		- / -		- / -		- / -		- / -		2 / 3.410													
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 7.033		- / -		- / -		- / -		- / -		4 / 7.033													
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3 / 5.370		- / -		- / -		- / -		3 / 5.370													
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 3.644		1 / 1.855		- / -		3 / 5.499													
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 3.710		4 / 7.420													
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 3.710		2 / 3.710													
Total		- / -		- / -		1 / 1.560		1 / 1.432		- / -		1 / 1.432		2 / 3.410		4 / 7.033		3 / 5.370		2 / 3.644		7 / 12.985		- / -		20 / 35.434													
Installation Schedule																																							
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	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	1	1	-	1	1	-	-	7	20								
Out	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1	1	-	1	2	1	-	1	1	1	-	-	1	1	7	20								
Method of Implementation (Organic): Organic - B Kits																														Installation Quantity: 18									
Footnotes:																																							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

- (5) The cost for the Validation Kit (FY14) and Verification Kit (FY15) is embedded in NRE cost in the year prior respectively.
- (6) Funds Phase 2 of the software integration contract.
- (7) Funds material necessary to perform 2F107 full motion operational flight trainer modification.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 3 / KC-130J Propeller Reliability Improvement Program (OSIP 019-12)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	10.000	0.619	-	-	-	-	-	-	-	-	-	10.619
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	10.000	0.619	-	-	-	-	-	-	-	-	-	10.619
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	10.000	0.619	-	-	-	-	-	-	-	-	-	10.619
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Description:

DESCRIPTION/JUSTIFICATION: The KC-130J 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). Operations supporting Operation Enduring Freedom are taking a severe toll on the KC-130J Dowty propellers. The austere operating environment in Afghanistan contributes to an excessive amount of foreign object debris damage to the prop blades. Dust intrusion has also been documented as a significant contributor to an increase in prop grease leaks. These issues are top readiness degraders which ultimately will lead to decreased mission availability if left unaddressed. This OSIP will be utilized for a forced retrofit for new prop blades with a thicker poly coating as well as a more robust leading edge guard. In addition, it will introduce a new prop seal kit that will greatly reduce dust intrusion. This OSIP is for equipment modification that is operationally required to provide increased prop reliability and operational readiness for forward deployed squadrons and is a direct result of operations supporting OEF. This effort has not been funded in prior years. This effort does not constitute a program acceleration.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The Original Equipment Manufacturer has developed the improved prop blades with the thicker poly coating and leading edge guards as well as the improved seal kits to address prop damage from operating in austere environments. NAVAIR will procure the improved prop blades and seals and provide them to the fleet for forced retrofit.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 3 / KC-130J Propeller Reliability Improvement Program (OSIP 019-12)				
Models of Systems Affected: KC-130J				Modification Type: Reliability					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: KC-130J Propeller Reliability Improvement Program (OSIP 019-12)													
B Kits													
Recurring													
2.1.1) B Kits - Organic ⁽⁸⁾													
48 / 10.0003 / 0.619- / - - /													

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0560 / C-130 Series			Modification Number / Title: 3 / KC-130J Propeller Reliability Improvement Program (OSIP 019-12)	
Modification Item 1 of 1: KC-130J Propeller Reliability Improvement Program (OSIP 019-12)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - B Kits					Installation Quantity: 51		
Footnotes: ⁽⁸⁾ Installs are being performed at "O" Level. Funding reduced due to the inclusion of Prop Modifications in the Power By the Hour (PBtH) contract. These modifications will add no cost to the PBtH contract and will occur as Props are inducted for maintenance rather than a forced retrofit.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 4 / Electronic Counter Measures (OSIP 020-12)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	27.571	21.925	1.731	4.015	-	4.015	16.134	3.265	3.330	16.470	211.981	306.422
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	27.571	21.925	1.731	4.015	-	4.015	16.134	3.265	3.330	16.470	211.981	306.422
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	27.571	21.925	1.731	4.015	-	4.015	16.134	3.265	3.330	16.470	211.981	306.422
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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), 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 aircraft's 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 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0560 / C-130 Series						Modification Number / Title: 4 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽⁹⁾	- / -	15 / 7.511	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 7.121	28 / 15.988	55 / 30.620	
Subtotal: Recurring	- / 0.000	- / 7.511	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.121	- / 15.988	- / 30.620	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽¹⁰⁾	- / 5.964	- / 7.070	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.034	
Subtotal: Non-Recurring	- / 5.964	- / 7.070	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.034	
B Kits													
Recurring													
2.1.1) LAIRCM B Kit - Organic ⁽¹¹⁾	12 / 15.989	- / -	2 / 1.272	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.934	41 / 126.633	57 / 149.828	
Subtotal: Recurring	- / 15.989	- / -	- / 1.272	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.934	- / 126.633	- / 149.828	
Non-Recurring													
2.2.1) NRE - Government - Organic ⁽¹²⁾	- / 4.948	- / 2.215	- / -	- / 1.106	- / -	- / 1.106	- / 2.374	- / -	- / -	- / 2.182	- / 0.461	- / 13.286	
Subtotal: Non-Recurring	- / 4.948	- / 2.215	- / -	- / 1.106	- / -	- / 1.106	- / 2.374	- / -	- / -	- / 2.182	- / 0.461	- / 13.286	
Subtotal: Electronic Counter Measures (OSIP 020-12)	12 / 26.901	15 / 16.796	2 / 1.272	- / 1.106	- / -	- / 1.106	- / 2.374	- / -	- / -	14 / 15.237	69 / 143.082	112 / 206.768	
Subtotal: Procurement, All Modification Items	- / 26.901	- / 16.796	- / 1.272	- / 1.106	- / -	- / 1.106	- / 2.374	- / -	- / -	- / 15.237	- / 143.082	- / 206.768	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.925	- / 26.925	
3.2) Data	- / -	- / -	- / -	- / 0.250	- / -	- / 0.250	- / -	- / -	- / -	- / -	- / -	- / 0.250	
3.3) Training Equipment	- / -	- / -	- / -	- / 1.269	- / -	- / 1.269	- / 1.899	- / -	- / 2.053	- / -	- / -	- / 5.221	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / -	- / 1.258	- / 0.170	- / 0.695	- / -	- / 0.695	- / 0.730	- / 0.823	- / 0.638	- / 0.616	- / 4.967	- / 9.897	
3.6) Other Support	- / 0.670	- / 3.871	- / 0.289	- / 0.695	- / -	- / 0.695	- / 0.731	- / 0.823	- / 0.639	- / 0.617	- / 4.967	- / 13.302	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.670	- / 5.129	- / 0.459	- / 2.909	- / -	- / 2.909	- / 3.360	- / 1.646	- / 3.330	- / 1.233	- / 36.859	- / 55.595	
Installation													
Modification Item 1 of 1: Electronic Counter Measures (OSIP 020-12)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 10.400	- / 1.619	- / -	- / -	- / 32.040	- / 44.059	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 10.400	- / 1.619	- / -	- / -	- / 32.040	- / 44.059	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 4 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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)	27.571	21.925	1.731	4.015	-	4.015	16.134	3.265	3.330	16.470	211.981	306.422	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0560 / C-130 Series										Modification Number / Title: 4 / Electronic Counter Measures (OSIP 020-12)																			
Modification Item 1 of 1: Electronic Counter Measures (OSIP 020-12)																																							
Modification Item MDAP/MAIS Code:																																							
Manufacturer Information																																							
Manufacturer Name: Lockheed Martin - LAIRCM															Manufacturer Location: >Marietta, GA																								
Administrative Leadtime (<i>in Months</i>): 8															Production Leadtime (<i>in Months</i>): 32																								
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019													
Contract Dates		May 2013																				May 2019																	
Delivery Dates		Jan 2016																				Jan 2022																	
Installation Information																																							
Method of Implementation: Contractor Drive-In Modification : Installation Name: LAIRCM A Kit																																							
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013		- / -	- / -	- / -	- / -	- / -	- / -	13 / 10.400	2 / 1.619	- / -	- / -	- / -	15 / 12.019																										
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 9.621	12 / 9.621																										
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 22.419	28 / 22.419																										
Total		- / -	- / -	- / -	- / -	- / -	- / -	13 / 10.400	2 / 1.619	- / -	- / -	40 / 32.040	55 / 44.059																										
Installation Schedule																																							
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	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: 57									
Footnotes:																																							

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 4 / Electronic Counter Measures (OSIP 020-12)

(9) Aircraft equipped with A Kits can operate with or without B Kits. 10 A Kits procured via sole source contract in FY13 will be delivered in FY16/17; remaining kits put on contract in FY14.

(10) The cost for the Validation Kit, TKI Kit, and Verification Kit and associated installation is embedded in the NRE cost in FY12.

(11) Kit cost based on required components in each FY; not by the inflation factor.

(12) NRE in FY15/FY16 for Val/Ver testing.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 5 / Hose Reel Reliability Improvements (OSIP 007-13)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	2.299	1.364	0.964	-	0.964	-	-	-	-	-	4.627
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	2.299	1.364	0.964	-	0.964	-	-	-	-	-	4.627
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	2.299	1.364	0.964	-	0.964	-	-	-	-	-	4.627

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 be counted and will assist in establishing routine maintenance cycles vice fly to failure. Updating the Hose Reels to a -109 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 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 5 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽¹³⁾	- / -	40 / 1.313	40 / 1.312	28 / 0.935	- / -	28 / 0.935	- / -	- / -	- / -	- / -	- / -	108 / 3.560	
Subtotal: Recurring	- / 0.000	- / 1.313	- / 1.312	- / 0.935	- / -	- / 0.935	- / -	- / -	- / -	- / -	- / -	- / 3.560	
Subtotal: Hose Reel Reliability Improvements (OSIP 007-13)	- / -	40 / 1.313	40 / 1.312	28 / 0.935	- / -	28 / 0.935	- / -	- / -	- / -	- / -	- / -	108 / 3.560	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 1.313	- / 1.312	- / 0.935	- / -	- / 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	- / -	- / 0.029	- / -	- / -	- / -	- / -	- / -	- / 0.754	
3.6) Other Support	- / -	- / 0.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.275	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / 0.986	- / 0.052	- / 0.029	- / -	- / 0.029	- / -	- / -	- / -	- / -	- / -	- / 1.067	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	2.299	1.364	0.964	-	0.964	-	-	-	-	-	4.627	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0560 / C-130 Series			Modification Number / Title: 5 / Hose Reel Reliability Improvements (OSIP 007-13)	
Modification Item 1 of 1: Hose Reel Reliability Improvements (OSIP 007-13)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - B Kit					Installation Quantity: 108		
Footnotes: ⁽¹³⁾ Installs will be done at "O" Level.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 6 / Battlefield Illumination Flare Dispensers (OSIP 008-13)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	1.125	-	-	-	-	-	-	-	-	-	1.125
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	1.125	-	-	-	-	-	-	-	-	-	1.125
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	1.125	-	-	-	-	-	-	-	-	-	1.125

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 KC-130 provides both overt and covert Battlefield Illumination (BI) through the use of parachute suspended flares delivered from a dispenser chute positioned on the cargo ramp. This Mission Essential Task for the KC-130J is routinely conducted. The current Vietnam era flare dispensers have deteriorated over decades of use and are in desperate need of replacement as they have reached the end of their useful service life. Three (3) dispensers are required per squadron in order to support three-site operations and training. This OSIP provides funding to manufacture replacement BI flare dispenser chutes. This OSIP also covers equipping KC-130Js with modified paratroop doors (Derringer Door) capable of dispensing BI flares. Each of the five (5) KC-130 squadrons requires a minimum of one (1) Derringer Door capable of dispensing BI flares. In addition, each Harvest HAWK equipped KC-130J aircraft requires an adaptor and modified launch tubes to allow the existing Derringer Door to be compatible with BI flares.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series						Modification Number / Title: 6 / Battlefield Illumination Flare Dispensers (OSIP 008-13)			
Models of Systems Affected: KC-130T/J				Modification Type: Mission Readiness / Reliability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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> Battlefield Illumination Flare Dispensers (OSIP 008-13)													
B Kits													
Recurring													
2.1.1) B Kit - Organic ⁽¹⁴⁾	- / -	15 / 1.125	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 1.125	
<i>Subtotal: Recurring</i>	- / 0.000	- / 1.125	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.125	
<i>Subtotal: Battlefield Illumination Flare Dispensers (OSIP 008-13)</i>	- / -	15 / 1.125	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 1.125	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / 1.125	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.125	
Support (All Modification Items)													
3.1) Economic 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	1.125	-	-	-	-	-	-	-	-	-	1.125	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0560 / C-130 Series			Modification Number / Title: 6 / Battlefield Illumination Flare Dispensers (OSIP 008-13)	
Modification Item 1 of 1: Battlefield Illumination Flare Dispensers (OSIP 008-13)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - B Kit					Installation Quantity: 15		
Footnotes: ⁽¹⁴⁾ Flare Dispensers are Mission Equipment. Installations will be done at "O" Level.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 7 / Technical Insertion (OSIP 019-14)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	5.500	8.252	-	8.252	21.439	4.714	37.968	49.821	222.701	350.395
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	5.500	8.252	-	8.252	21.439	4.714	37.968	49.821	222.701	350.395
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	5.500	8.252	-	8.252	21.439	4.714	37.968	49.821	222.701	350.395
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

DESCRIPTION/JUSTIFICATION: Technical Insertion provides for the insertion of new technologies that update or augment the existing C/KC-130 platform, which address supportability, obsolescence, system updates, commonality, and interoperability among aviation and ground elements. Insertion of the Software Reprogrammable Payload (SRP) will augment existing C/KC-130 radio relay capabilities. The Electronic Propeller Control System (EPCS) addresses the #1 readiness degrader for the legacy C/KC-130 by replacing the failure prone hydro-mechanical propeller control with a solid-state digital system. The Blue Force Tracker (BFT) initiative will add the C/KC-130 to the Blue Force Situational Awareness network, which includes all other assault support and US Army platforms. KuSS antenna is a system upgrade that provides High Speed Data for beyond line of sight communications and provides interoperability across the services. The Radar and 3A Receiver Upgrade addresses the 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. Block 7.0 includes the RNP/RNAV solution, which began in FY09 in OSIP 010-06. Block 8.1 will include Enhanced Covert Lighting, Improved PA System, IFF Transponder Mode 5/ADS-B, ATS and AOC - Data Link, Vertical Profile Cueing, Enhanced ICS, Tempest Compliance, Tri-Axis Accelerometer - Failure Detection, Flight Management Software (FMS) update, Mission Computer (MC) software, and BUS Interface Unit (BIU) software. Future Capability Management Upgrade (CMU)/Block 9.0 is being developed which will include additional requirements as well as address obsolescence issues and provide necessary performance enhancements to ensure future mission readiness of the KC-130J fleet.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: SRP system upgrade will consist of 79 kits and installs starting in FY14 and completing beyond the FYDP. SRP B-Kits will be GFE and A-kits plus installs will be completed by a contractor. BFT system upgrade will consist of 79 kits and installs starting in FY14 and completing beyond the FYDP. The KuSS antenna kits will be procured from a contractor and O-Level installation, starting in FY14. 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 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 7 / Technical Insertion (OSIP 019-14)					
Models of Systems Affected: KC-130T/J				Modification Type: Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	5 / 0.668	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.668	
1.1.2) A Kit 7.0/8.1 Block Upgrade - NonOrganic ⁽¹⁵⁾	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.590	- / -	10 / 13.738	12 / 16.980	35 / 52.269	59 / 85.577	
Subtotal: Recurring	- / 0.000	- / -	- / 0.668	- / -	- / -	- / -	- / 2.590	- / -	- / 13.738	- / 16.980	- / 52.269	- / 86.245	
Non-Recurring													
1.2.1) Installation Kit N/R Block Upgrade - Organic	- / -	- / -	- / -	- / 7.589	- / -	- / 7.589	- / -	- / -	- / -	- / -	- / -	- / 7.589	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / 7.589	- / -	- / 7.589	- / -	- / -	- / -	- / -	- / -	- / 7.589	
B Kits													
Recurring													
2.1.1) EPCS B Kit - Organic	- / -	- / -	5 / 3.326	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.326	
2.1.2) B Kit 7.0/8.1 Block Upgrade - Organic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.750	- / -	10 / 19.892	12 / 24.697	35 / 75.681	59 / 124.020	
Subtotal: Recurring	- / 0.000	- / -	- / 3.326	- / -	- / -	- / -	- / 3.750	- / -	- / 19.892	- / 24.697	- / 75.681	- / 127.346	
Non-Recurring													
2.2.1) Installation Kit N/R Block Upgrade - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.193	- / 2.818	- / -	- / -	- / 2.112	- / 6.123	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.193	- / 2.818	- / -	- / -	- / 2.112	- / 6.123	
Subtotal: Technical Insertion (OSIP 019-14)	- / -	- / -	10 / 3.994	- / 7.589	- / -	- / 7.589	4 / 7.533	- / 2.818	20 / 33.630	24 / 41.677	70 / 130.062	128 / 227.303	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 3.994	- / 7.589	- / -	- / 7.589	- / 7.533	- / 2.818	- / 33.630	- / 41.677	- / 130.062	- / 227.303	
Support (All Modification Items)													
3.1) Data Block Upgrade	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.628	- / 0.972	- / 0.419	- / -	- / 0.301	- / 3.320	
3.2) Training Equipment Block Upgrade	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.891	- / -	- / 0.504	- / 7.249	- / 12.832	- / 32.476	
3.3) ILS EPCS	- / -	- / -	- / 0.097	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.097	
3.4) ILS Block Upgrade	- / -	- / -	- / -	- / 0.437	- / -	- / 0.437	- / 0.246	- / 0.525	- / 0.611	- / 0.530	- / 6.595	- / 8.944	
3.5) Other Support EPCS	- / -	- / -	- / 0.634	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.634	
3.6) Other Support Block Upgrade	- / -	- / -	- / -	- / 0.226	- / -	- / 0.226	- / 0.141	- / 0.399	- / 0.598	- / 0.365	- / 2.060	- / 3.789	
Subtotal: Support	- / 0.000	- / -	- / 0.731	- / 0.663	- / -	- / 0.663	- / 13.906	- / 1.896	- / 2.132	- / 8.144	- / 21.788	- / 49.260	
Installation													
Modification Item 1 of 1: Technical Insertion (OSIP 019-14)	- / 0.000	- / -	- / 0.775	- / -	- / -	- / -	- / -	- / -	- / 2.206	- / -	- / 70.851	- / 73.832	
Subtotal: Installation	- / 0.000	- / -	- / 0.775	- / -	- / -	- / -	- / -	- / -	- / 2.206	- / -	- / 70.851	- / 73.832	

UNCLASSIFIED

LI 0560 - C-130 Series
Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 7 / Technical Insertion (OSIP 019-14)																					
Modification Item 1 of 1: Technical Insertion (OSIP 019-14)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: TBD - ECPS												Manufacturer Location: >TBD																			
Administrative Leadtime (in Months): 4												Production Leadtime (in Months): 5																			
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates						Jan 2014																									
Delivery Dates						Jun 2014																									
Manufacturer Name: Lockheed Martin - Block Upgrade												Manufacturer Location: >Greenville, SC																			
Administrative Leadtime (in Months): 5												Production Leadtime (in Months): 24																			
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates														Feb 2016								Feb 2018				Feb 2019					
Delivery Dates														Feb 2018								Feb 2020				Feb 2021					
Installation Information																															
Method of Implementation: Contractor Drive-in Modifications : Installation Name: EPCS A Kit																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	5 / 0.775	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.775																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	5 / 0.775	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.775																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	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				

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0560 / C-130 Series										Modification Number / Title: 7 / Technical Insertion (OSIP 019-14)																
Modification Item 1 of 1: Technical Insertion (OSIP 019-14)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Contractor Drive-In Mod : Installation Name: A Kit 7.0/8.1 Block Upgrade																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.206	- / -	- / -	2 / 2.206																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 12.430	10 / 12.430																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 14.916	12 / 14.916																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 43.505	35 / 43.505																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.206	- / -	57 / 70.851	59 / 73.057																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	57	59
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	57	59
Method of Implementation (Organic): Not Installed - EPCS B Kit															Installation Quantity: 5																
Method of Implementation (Organic): Not Installed - B Kit 7.0/8.1 Block Upgrade															Installation Quantity: 59																
Footnotes:																															
⁽¹⁵⁾ Block Upgrade Kits long lead time 18 - 24 months.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 8 / Inactive OSIPs

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	219.652	-	-	-	-	-	-	-	-	-	-	219.652
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	219.652	-	-	-	-	-	-	-	-	-	-	219.652
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	219.652	-	-	-	-	-	-	-	-	-	-	219.652
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 8 / Inactive OSIPs			
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 219.652	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 219.652	
Subtotal: Recurring	- / 219.652	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 219.652	
Subtotal: Inactive OSIPs	- / 219.652	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 219.652	
Subtotal: Procurement, All Modification Items	- / 219.652	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 219.652	
Support (All Modification Items)													
3.1) New Cost Element.	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	219.652	-	-	-	-	-	-	-	-	-	-	219.652	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0560 / C-130 Series			Modification Number / Title: 8 / Inactive OSIPs	
Modification Item 1 of 1: Inactive OSIPs							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	96.830	0.669	0.665	0.640	-	0.640	0.640	0.659	0.658	0.671	6.937	108.369
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	96.830	0.669	0.665	0.640	-	0.640	0.640	0.659	0.658	0.671	6.937	108.369
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	96.830	0.669	0.665	0.640	-	0.640	0.640	0.659	0.658	0.671	6.937	108.369
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date. Description: This line item funds modifications to avionics equipment used for Fleet Opposing Forces and Adversary Air Electronic Warfare training exercises. The overall goal is to accurately simulate the known and postulated electronic warfare characteristics and tactics of various radar and jammer threats for fleet training. Operational, Safety, and Improvement Program (OSIP) 119-83 Fleet Electronic Warfare Support Group equipment, AN/ALQ-167 (jammer) and AN/AST-6 (radar simulator) had been installed and/or carried aboard the EA-6B, F-4, F-14, EP-3J, EC-24A and KC-135 aircraft, prior to deactivation of the associated training missions for these aircraft. Current equipment, AN/ALQ-167, 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 quantity 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. FY10-FY12 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 Badger) comprised 19 ALQ-167 pods, 12 F-5N rack installs and 3 ACaP pods procured in coordination with the United States Air Force (USAF). The remaining pod inventory, as of Oct 2012, of legacy ALQ-167 pods is 33 with a goal of converting one pod per year to DRFM configuration starting in FY 13. Adversary Electronic Attack (EA) DRFM program systems completed deliveries in FY13 as funded under the Abbreviated Acquisition Plan (AAP) in FY10-12. As a result, all future installations are modifications to Fleet systems based on the EA DRFM Roadmap for Filthy Badger classified program requirements. DON15 shifts 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, reducing unit cost.												

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014						
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 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / AN/AST-4/6/9(V), AN/ULQ-21/24, ALE-43, AN/ALQ-167 (OSIP 119-83)	P-3a		-	-	96.830	-	-	0.669	-	-	0.665	-	-	0.640	-	-	-	-	-	0.640
Total Gross/Weapon System Cost			-	-	96.830	-	-	0.669	-	-	0.665	-	-	0.640	-	-	-	-	-	0.640
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / AN/AST-4/6/9(V), AN/ULQ-21/24, ALE-43, AN/ALQ-167 (OSIP 119-83)	P-3a		-	-	0.640	-	-	0.659	-	-	0.658	-	-	0.671	-	-	6.937	-	-	108.369
Total Gross/Weapon System Cost			-	-	0.640	-	-	0.659	-	-	0.658	-	-	0.671	-	-	6.937	-	-	108.369
*For the P-3a, Title represents the Modification Number / Title.																				
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 2015 Navy		Date: March 2014
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, ALE-43, AN/ALQ-167 (OSIP 119-83)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	96.830	0.669	0.665	0.640	-	0.640	0.640	0.659	0.658	0.671	6.937	108.369
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	96.830	0.669	0.665	0.640	-	0.640	0.640	0.659	0.658	0.671	6.937	108.369
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	96.830	0.669	0.665	0.640	-	0.640	0.640	0.659	0.658	0.671	6.937	108.369
<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>	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

DESCRIPTION/JUSTIFICATION: The AN/ALQ-167 pods electronically simulate threat airborne radar jamming systems. The AN/ALQ-167 pod components can also be installed internally in aircraft. When these components are used in this type of configuration, they are nomenclatured AN/DLQ-3 and AN/ULQ-21/24. AN/AST-4 was replaced by AN/AST-6. The AN/AST-6 pod electronically simulates several types of threat anti-ship missile seeker and air-to-air missile systems. Original variants of these podded devices were first introduced into the fleet in 1980 and proved exceptionally useful in readiness exercises and for tactical contingencies. Subsequent variants were developed to meet the technology advances of the threat systems. The tactical contingency pods were removed from fleet service in FY2002 and returned to the pod depot for component reuse. This program provides for the procurement and continued support of additional quantities of these pods or conversion of older pod variants and/or contingency pods to newer variants for use by Fleet Area Control and Surveillance Facility in support of operational fleet training and for Top Gun/Adversary Squadrons in support of adversary air exercises.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The objective for the AN/ALQ-167 was 186 pods. Prior to the tactical contingency pod divestiture, inventory was 146. The AN/ALQ-167 pods avionics are being upgraded to provide increased performance/advanced capability using Digital Radio Frequency Memory (DRFM) technology. Internal installations of the DRFM avionics planned for Adversary Squadron F-5 aircraft funded in FY 10 -12 have been completed. Remaining quantities are for pod carriage capability aboard F-18, F-16, Kfir, Hawker/Hunter and Gulfstream I aircraft. Legacy pod inventory as of Oct 2012 is 33 with a goal of converting one pod per year to DRFM configuration. There are 20 AN/AST-6 production assets. AN/AST-6 was phased out of service and replaced by 30 AN/AST-9 production assets in FY 2011. AN/ALE-43 pods have been transitioned from fleet training use to tactical use. No future AN/AST-6 or AN/ALE-43 pods or pod modifications are being funded via this Operational, Safety, and Improvement Program.

Adversary Electronic Attack (EA) DRFM program systems completed deliveries in FY13 as funded under the Abbreviated Acquisition Plan (AAP) for FY10-13. As a result, all future installations are modifications to Fleet systems based on the EA DRFM Roadmap for Filthy Badger classified program requirements. DON15 shifts program focus to the Filthy Badger modification schedule and support of the required engineering and logistics to accomplish these upgrades in future years. Shifting from full production to the modification schedule reduces the unit cost to \$51k and increase funding for engineering and logistics tasks associated with the modifications.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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, 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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, ALE-43, AN/ALQ-167 (OSIP 119-83)													
B Kits													
Recurring													
2.1.1) Install Equipment (B Kits) - Organic ⁽¹⁾	1,045 / 75.965	1 / 0.134	1 / 0.051	1 / 0.050	- / -	1 / 0.050	1 / 0.050	1 / 0.052	1 / 0.052	1 / 0.054	10 / 0.610	1,062 / 77.018	
Subtotal: Recurring	- / 75.965	- / 0.134	- / 0.051	- / 0.050	- / -	- / 0.050	- / 0.050	- / 0.052	- / 0.052	- / 0.054	- / 0.610	- / 77.018	
Non-Recurring													
2.2.1) Install Equipment N/R - Organic ⁽²⁾	- / 1.998	- / 0.060	- / 0.075	- / 0.072	- / -	- / 0.072	- / 0.072	- / 0.074	- / 0.074	- / 0.075	- / 0.720	- / 3.220	
2.2.2) Training Equipment - Organic	3 / 4.785	- / 0.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.815	
2.2.3) Support Equipment - Organic	- / 5.510	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.510	
Subtotal: Non-Recurring	- / 12.293	- / 0.090	- / 0.075	- / 0.072	- / -	- / 0.072	- / 0.072	- / 0.074	- / 0.074	- / 0.075	- / 0.720	- / 13.545	
Subtotal: AN/AST-4/6/9(V), AN/ULQ-21/24, ALE-43, AN/ALQ-167 (OSIP 119-83)	1,048 / 88.258	1 / 0.224	1 / 0.126	1 / 0.122	- / -	1 / 0.122	1 / 0.122	1 / 0.126	1 / 0.126	1 / 0.129	10 / 1.330	1,065 / 90.563	
Subtotal: Procurement, All Modification Items	- / 88.258	- / 0.224	- / 0.126	- / 0.122	- / -	- / 0.122	- / 0.122	- / 0.126	- / 0.126	- / 0.129	- / 1.330	- / 90.563	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 2.928	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.928	
3.2) Data	- / 0.376	- / 0.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.406	
3.3) ILS ⁽³⁾	- / 1.577	- / 0.085	- / 0.269	- / 0.260	- / -	- / 0.260	- / 0.259	- / 0.267	- / 0.267	- / 0.272	- / 2.800	- / 6.056	
3.4) Other Support ⁽⁴⁾	- / 3.691	- / 0.330	- / 0.270	- / 0.258	- / -	- / 0.258	- / 0.259	- / 0.266	- / 0.265	- / 0.270	- / 2.807	- / 8.416	
3.5) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 8.572	- / 0.445	- / 0.539	- / 0.518	- / -	- / 0.518	- / 0.518	- / 0.533	- / 0.532	- / 0.542	- / 5.607	- / 17.806	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	96.830	0.669	0.665	0.640	-	0.640	0.640	0.659	0.658	0.671	6.937	108.369	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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, ALE-43, AN/ALQ-167 (OSIP 119-83)	
Modification Item 1 of 1: AN/AST-4/6/9(V), AN/ULQ-21/24, ALE-43, AN/ALQ-167 (OSIP 119-83)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - Install Equipment (B Kits)					Installation Quantity: 1062		
Method of Implementation (Organic): Organic - Training Equipment							
					Installation Quantity: 3		
Footnotes: ⁽¹⁾ 1. Total Qty is inclusive of pod systems/variants that were procured, deployed and retired and no longer in inventory. Additionally, the yearly quantity of two, reflected in the prior years, has been in many cases, modification of pods vice new production, therefore total quantity shown does not reflect current inventory. 2. FY10 - 13 Install Equipment (B Kits) funding addresses the updated ALQ-167 Pod that provides enhanced threat simulation capabilities. FY 10 - 13 funding procured 34 AN/ALQ-167 DRFM pod variants to address Adversary Air requirements per Naval Strike Air Warfare Center Urgent Operational Need Statement. 3. Adversary Electronic Attack (EA) DRFM program systems completed deliveries in FY13 as funded under the Abbreviated Acquisition Plan (AAP) for FY10-13. As a result, all future installations are modifications to Fleet systems based on the EA DRFM Roadmap for Filthy Badger classified program requirements. DON15 shifts program focus from full production to the Filthy Badger modification schedule and support of the required engineering and logistics to accomplish these annual updates in future years reducing the unit cost. ⁽²⁾ Cost increases in FY14 and out because FEWSG is a non-standard program that supports Fleet Training supplying Adversary Forces with EA systems in a Counter Air role flown on military aircraft and also supplying Opposing Forces with EA systems for Surface Training. Neither of these programs are under an Aviation Depot Level Repair (AVDLR) support posture and all of the aircraft are unique configurations. The logistics and engineering requirements are wide spread even though we are making minor modifications (1 mod per year). Opposing Forces ALQ-167 variants and AST-9 variants are aging rapidly and that puts a significant Logistics and engineering burden on support of these systems. There are a number of ALQ-167 Pod variants. This variance requires unique modifications and hardware. ⁽³⁾ Adversary Electronic Attack(EA) DRFM program systems completed deliveries in FY13 as funded under the Abbreviated Acquisition Plan (AAP) in FY10-12. As a result, all future installations are modifications to Fleet systems based on the EA DRFM Roadmap for Filthy Badger classified program requirements. DON15 shifts program focus from full production to the Filthy Badger modification schedule and support of the required engineering and logistics to accomplish these annual updates in future years reducing the unit cost. There are two reasons Cost element 3.3, ILS, is increased. First, this program is a non-standard program that support Fleet Training supplying Adversary Forces with EA systems in a Counter Air role flown on military aircraft and also supplying Opposing Forces with EA systems for Surface Training. Neither of these programs are under an Aviation Depot Level Repair (AVDLR) support posture and all of the aircraft are unique configurations. The logistics and engineering requirements are wide spread even though we are making minor modifications (1 mod per year). Second - Opposing Forces ALQ-167 variants and AST-9 variants are aging rapidly and that puts a significant Logistics and engineering burden on support of these systems. There are a number of ALQ-167 Pod variants. ⁽⁴⁾ Adversary Electronic Attack(EA) DRFM program systems completed deliveries in FY13 as funded under the Abbreviated Acquisition Plan (AAP) in FY10-12. As a result, all future installations are modifications to Fleet systems based on the EA DRFM Roadmap for Filthy Badger classified program requirements. DON15 shifts program focus from full production to the Filthy Badger modification schedule and support of the required engineering and logistics to accomplish these annual updates in future years reducing the unit cost. There are two reasons Cost Element 3.4, Other Support, is increased. First, this program is a non-standard program that support Fleet Training supplying Adversary Forces with EA systems in a Counter Air role flown on military aircraft and also supplying Opposing Forces with EA systems for Surface Training. Neither of these programs are under an Aviation Depot Level Repair (AVDLR) support posture and all of the aircraft are unique configurations. The logistics and engineering requirements are wide							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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, ALE-43, AN/ALQ-167 (OSIP 119-83)

spread even though we are making minor modifications (1 mod per year). Second - Opposing Forces ALQ-167 variants and AST-9 variants are aging rapidly and that puts a significant Logistics and engineering burden on support of these systems. There are a number of ALQ-167 Pod variants.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	244.598	15.608	14.587	4.635	-	4.635	13.379	12.574	10.276	10.385	80.839	406.881
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	244.598	15.608	14.587	4.635	-	4.635	13.379	12.574	10.276	10.385	80.839	406.881
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	244.598	15.608	14.587	4.635	-	4.635	13.379	12.574	10.276	10.385	80.839	406.881
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date. Description: This line item funds modifications to the following cargo and transport aircraft: C-9B, C-40A, C-20A, 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, RC-12F, RC-12M, and NC-12B. The C-9B Skytrain II, C-40A Clipper, C-20A/D 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-20A/D 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. Block 1 aircraft modifications were procured between FY-04 and FY-11. Some of the systems affected by Block 1 were Mode Select Elementary and Enhanced Surveillance, Enhanced Ground Proximity Warning System Runway Terrain Awareness and Warning System, Reduced Vertical Separation Minima, Honeywell Digital Cockpit Display System for Retrofit Aircraft or Rockwell Collins Pro-Line 21 modernization, 406MHz Emergency Locator Transmitter, Very High Frequency 8.33KHz spacing, Frequency Modulation Immunity, Cockpit voice recorder memory upgrades and incorporation of digital Flight management and communication systems. In FY12-FY14 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, Controller Pilot Data Link Communication and Automatic Dependent Surveillance-Contract datalink, Satellite Communications capability (Iridium or International Maritime Satellite) and services. In FY15 - FY19 Block 3 aircraft modifications include 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 capabilities.												

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014						
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 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		
NR	Quantity	-		-		-		-		-		-		-		-		-		
	Total Obligation Authority	15.608		14.587		4.635		-		4.635		13.379		12.574		10.276		10.385		
Total: Secondary Distribution	Quantity	-		-		-		-		-		-		-		-		-		
	Total Obligation Authority	15.608		14.587		4.635		-		4.635		13.379		12.574		10.276		10.385		
Exhibits Schedule																				
Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / FEDERAL AVIATION ADMINISTRATION (FAA) CONFIGURATION UPDATES RESERVE FORCES(OSIP 071-86)	P-3a		-	-	22.001	-	-	0.407	-	-	0.025	-	-	0.025	-	-	-	-	-	0.025
P-3a - 2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0	P-3a		-	-	146.779	-	-	15.201	-	-	14.562	-	-	4.610	-	-	-	-	-	4.610
P-3a - 3 / UC-12W CAPABILITY IMPROVEMENTS RESERVE FORCES (OSIP 025-12)	P-3a		-	-	8.380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 4 / RESERVE FORCES Inactive OSIPs	P-3a		-	-	67.438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	244.598	-	-	15.608	-	-	14.587	-	-	4.635	-	-	-	-	-	4.635
Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / FEDERAL AVIATION ADMINISTRATION (FAA) CONFIGURATION UPDATES RESERVE FORCES(OSIP 071-86)	P-3a		-	-	0.025	-	-	0.025	-	-	0.025	-	-	0.025	-	-	-	-	-	22.558

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0	P-3a		-	-	13.354	-	-	12.549	-	-	10.251	-	-	10.360	-	-	80.839	-	-	308.505	
P-3a - 3 / UC-12W CAPABILITY IMPROVEMENTS RESERVE FORCES (OSIP 025-12)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.380		
P-3a - 4 / RESERVE FORCES Inactive OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67.438		
Total Gross/Weapon System Cost			-	-	13.379	-	-	12.574	-	-	10.276	-	-	10.385	-	-	80.839	-	-	406.881	
*For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: Basis for FY2015 budget request: provides funding to procure aircraft modifications for Cargo Transport Aircraft.																					

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	22.001	0.407	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>)	22.001	0.407	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>)	22.001	0.407	0.025	0.025	-	0.025	0.025	0.025	0.025	0.025	-	22.558
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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-20A, 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, RC-12F, RC-12M, and NC-12B 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 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / 0.350	
1.1.2) C-12 Propellers - Organic	74 / 0.990	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	74 / 0.990	
1.1.3) C-20 - Organic	298 / 1.430	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	298 / 1.430	
1.1.4) C-26 - Organic	11 / 0.376	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.376	
1.1.5) C-9 - Organic	282 / 5.326	3 / 0.407	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	285 / 5.733	
1.1.6) C-9 Engines - Organic	13 / 0.185	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.185	
1.1.7) C-9 Hush Kits - Organic	1 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.200	
1.1.8) PY Installs - Organic	- / 17.564	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.564	
Subtotal: Recurring	- / 17.271	- / 0.407	- / 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)	679 / 20.103	3 / 0.407	- / 0.025	- / 0.025	- / -	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / -	682 / 20.660	
Subtotal: Procurement, All Modification Items	- / 20.103	- / 0.407	- / 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	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	<i>- / 1.898</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 1.898</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)	22.001	0.407	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 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - C-12 Propellers					Installation Quantity: 74		
Method of Implementation (Organic): Not Installed - C-20					Installation Quantity: 298		
Method of Implementation (Organic): Not Installed - C-26					Installation Quantity: 11		
Method of Implementation (Organic): Not Installed - C-9					Installation Quantity: 285		
Method of Implementation (Organic): Not Installed - C-9 Engines					Installation Quantity: 13		
Method of Implementation (Organic): Not Installed - C-9 Hush Kits					Installation Quantity: 1		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	146.779	15.201	14.562	4.610	-	4.610	13.354	12.549	10.251	10.360	80.839	308.505
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	146.779	15.201	14.562	4.610	-	4.610	13.354	12.549	10.251	10.360	80.839	308.505
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	146.779	15.201	14.562	4.610	-	4.610	13.354	12.549	10.251	10.360	80.839	308.505
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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.

Archived Mods: All Block 1 modification upgrades have been completed for the following aircraft: C-9B, C-40A, C-20A, C-20D, C-20G, C-37A, C-37B, C-26D, EC-26D, RC-26D, UC-26D, UC-35C, UC-35D, UC-12B, UC-12F, UC-12M.

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 800/801 Aircraft 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). No Block 3.

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. 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 2015 Navy		Date: March 2014
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-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. 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, 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-20A: Block 2 - TCAS 7.1, CPDLC, Data Loader Upgrade; No Block 3. 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. No Block 3. 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 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽¹⁾	17 / 0.450	4 / 2.065	2 / 0.090	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.225	28 / 2.830	
1.1.2) Block 2 (C-37) - NonOrganic	12 / 0.725	3 / 0.023	2 / 0.160	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.908	
1.1.3) Block 2 (UC-35) - NonOrganic ⁽²⁾	13 / 0.080	4 / 1.462	4 / 0.160	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.240	27 / 1.942	
1.1.4) Block 2 (C-26) - NonOrganic ⁽³⁾	7 / 0.375	4 / 2.905	3 / 0.300	3 / 0.300	- / -	3 / 0.300	- / -	- / -	- / -	- / -	- / -	17 / 3.880	
1.1.5) Block 2 (C-20) - NonOrganic	16 / 1.090	4 / 0.181	1 / 0.140	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 1.411	
1.1.6) Block 2 (C-12) - NonOrganic ⁽⁴⁾	37 / 1.428	6 / 1.650	4 / 0.180	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 3.258	
1.1.7) Block 3 (C-40/C-9) - NonOrganic ⁽⁵⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.120	1 / 0.150	4 / 0.120	18 / 1.332	25 / 1.722	
1.1.8) Block 3 (C-37) - NonOrganic ⁽⁶⁾	- / -	- / -	2 / 0.200	2 / 0.075	- / -	2 / 0.075	2 / 0.300	1 / 0.150	1 / 0.500	1 / 0.070	5 / 1.180	14 / 2.475	
1.1.9) Block 3 (UC-35) - NonOrganic ⁽⁷⁾	- / -	- / -	- / -	2 / 0.240	- / -	2 / 0.240	3 / 0.450	1 / 0.150	3 / 0.900	5 / 0.360	10 / 4.500	24 / 6.600	
1.1.10) Block 3 (C-26) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.220	1 / 0.150	- / -	- / -	4 / 0.680	7 / 1.050	
1.1.11) Block 3 (C-20) - NonOrganic	- / -	- / -	- / -	3 / 0.500	- / -	3 / 0.500	4 / 1.025	6 / 0.300	- / -	4 / 0.220	- / -	17 / 2.045	
1.1.12) Block 3 (C-12) - NonOrganic ⁽⁸⁾	- / -	- / -	3 / 0.300	- / -	- / -	- / -	- / -	22 / 1.200	- / -	- / -	1 / 0.200	26 / 1.700	
1.1.13) Archive Mods - Organic	121 / 15.464	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	121 / 15.464	
1.1.14) Archive Install - Organic	- / 15.944	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.944	
Subtotal: Recurring	- / 35.556	- / 8.286	- / 1.530	- / 1.115	- / -	- / 1.115	- / 1.995	- / 2.070	- / 1.550	- / 0.770	- / 8.357	- / 61.229	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽⁹⁾	- / 28.217	- / 0.146	- / 2.514	- / 0.686	- / -	- / 0.686	- / 3.675	- / 2.200	- / 1.700	- / 1.300	- / 6.232	- / 46.670	
Subtotal: Non-Recurring	- / 28.217	- / 0.146	- / 2.514	- / 0.686	- / -	- / 0.686	- / 3.675	- / 2.200	- / 1.700	- / 1.300	- / 6.232	- / 46.670	
B Kits													
Recurring													
2.1.1) Avionics Upgrade C-20D - Organic	- / 0.085	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.085	
2.1.2) Block 1 - Organic	65 / 30.228	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	65 / 30.228	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
2.1.3) Block 1 (C-40/C-9) - NonOrganic	2 / 1.890	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.890
2.1.4) Block 2 - Organic ⁽¹⁰⁾	73 / 10.421	- / -	13 / 3.764	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	86 / 14.185
2.1.5) Block 2 (C-40/C-9) - NonOrganic	10 / 1.630	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.630
2.1.6) Block 3 - Organic ⁽¹¹⁾	- / -	- / -	3 / 1.440	- / -	- / -	- / -	5 / 3.057	10 / 2.611	3 / 2.522	9 / 2.378	75 / 33.582	105 / 45.590
2.1.7) HF Radio Upgrade C-20A - Organic	1 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.500
Subtotal: Recurring	- / 44.754	- / -	- / 5.204	- / -	- / -	- / -	- / 3.057	- / 2.611	- / 2.522	- / 2.378	- / 33.582	- / 94.108
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic ⁽¹²⁾	- / 3.283	- / 0.080	- / 0.631	- / -	- / -	- / -	- / -	- / 0.300	- / -	- / -	- / 1.775	- / 6.069
Subtotal: Non-Recurring	- / 3.283	- / 0.080	- / 0.631	- / -	- / -	- / -	- / -	- / 0.300	- / -	- / -	- / 1.775	- / 6.069
Subtotal: COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0	374 / 111.810	25 / 8.512	37 / 9.879	10 / 1.801	- / -	10 / 1.801	16 / 8.727	43 / 7.181	8 / 5.772	23 / 4.448	124 / 49.946	660 / 208.076
Subtotal: Procurement, All Modification Items	- / 111.810	- / 8.512	- / 9.879	- / 1.801	- / -	- / 1.801	- / 8.727	- / 7.181	- / 5.772	- / 4.448	- / 49.946	- / 208.076
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.160	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.160
3.2) Data ⁽¹³⁾	- / 4.660	- / 0.140	- / 0.325	- / 0.155	- / -	- / 0.155	- / 0.288	- / 0.380	- / 0.420	- / 0.241	- / 2.075	- / 8.684
3.3) Training Equipment ⁽¹⁴⁾	- / 1.353	- / -	- / 0.475	- / 0.150	- / -	- / 0.150	- / 0.498	- / 0.358	- / 0.330	- / 0.400	- / 2.650	- / 6.214
3.4) Support Equipment ⁽¹⁵⁾	- / 0.356	- / -	- / 0.410	- / 0.060	- / -	- / 0.060	- / 0.186	- / 0.200	- / 0.200	- / -	- / 0.475	- / 1.887
3.5) ILS ⁽¹⁶⁾	- / 3.060	- / 0.942	- / 0.387	- / 0.032	- / -	- / 0.032	- / 0.255	- / 0.220	- / 0.246	- / 0.571	- / 1.525	- / 7.238
3.6) Other Support ⁽¹⁷⁾	- / 6.408	- / 2.152	- / 0.264	- / 0.107	- / -	- / 0.107	- / 0.348	- / 0.474	- / 0.327	- / 0.310	- / 1.480	- / 11.870
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 15.997	- / 3.234	- / 1.861	- / 0.504	- / -	- / 0.504	- / 1.575	- / 1.632	- / 1.523	- / 1.522	- / 8.205	- / 36.053
Installation												
Modification Item 1 of 1: COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0	- / 18.972	- / 3.455	- / 2.822	- / 2.305	- / -	- / 2.305	- / 3.052	- / 3.736	- / 2.956	- / 4.390	- / 22.688	- / 64.376
Subtotal: Installation	- / 18.972	- / 3.455	- / 2.822	- / 2.305	- / -	- / 2.305	- / 3.052	- / 3.736	- / 2.956	- / 4.390	- / 22.688	- / 64.376
Total												

UNCLASSIFIED

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Various	Manufacturer Location: >Various
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 1

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018
Delivery Dates	Jan 2013	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019

Installation Information

Method of Implementation: Depot Contractor : Installation Name: CNS/ATM C-40A/C-9

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 1.755	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 1.755
FY 2013	- / -	4 / 0.358	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.358
FY 2014	- / -	- / -	2 / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.300
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.533	- / -	- / -	- / -	2 / 0.533
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.267	- / -	- / -	1 / 0.267
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.100	1 / 0.367	4 / 1.467
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 3.775	23 / 3.775
Total	29 / 1.755	4 / 0.358	2 / 0.300	- / -	- / -	- / -	- / -	2 / 0.533	1 / 0.267	3 / 1.100	24 / 4.142	65 / 8.455

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	4	-	1	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	3	-	-	24	65
Out	29	-	-	-	4	-	1	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	3	-	-	24	65

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot Contractor : Installation Name: CNS/ATM C-37

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 4.798	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 4.798
FY 2013	- / -	3 / 0.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.064
FY 2014	- / -	- / -	4 / 0.780	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.780
FY 2015	- / -	- / -	- / -	2 / 0.225	- / -	2 / 0.225	- / -	- / -	- / -	- / -	- / -	2 / 0.225
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.600	- / -	- / -	- / -	- / -	2 / 0.600
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.400	- / -	- / -	- / -	1 / 0.400
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.400	- / -	- / -	1 / 0.400
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.300	- / -	1 / 0.300
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.680	5 / 1.680
Total	12 / 4.798	3 / 0.064	4 / 0.780	2 / 0.225	- / -	2 / 0.225	2 / 0.600	1 / 0.400	1 / 0.400	1 / 0.300	5 / 1.680	31 / 9.247

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	-	-	2	2	-	-	1	1	-	-	1	1	-	-	1	-	-	-	1	-	-	-	1	-	-	5	31
Out	12	-	1	2	-	-	2	2	-	-	1	1	-	-	1	1	-	-	1	-	-	-	1	-	-	-	1	-	-	5	31

Method of Implementation: Depot Contractor : Installation Name: CNS/ATM UC-35

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 3.649
FY 2013	- / -	4 / 0.519	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.519
FY 2014	- / -	- / -	4 / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.480
FY 2015	- / -	- / -	- / -	2 / 0.480	- / -	2 / 0.480	- / -	- / -	- / -	- / -	- / -	2 / 0.480
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.854	- / -	- / -	- / -	- / -	3 / 1.854
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.763	- / -	- / -	- / -	1 / 0.763

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot Contractor : Installation Name: CNS/ATM UC-35

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.289	- / -	- / -	3 / 2.289
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.540	- / -	5 / 1.540
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 15.256	16 / 15.256
Total	13 / 3.649	4 / 0.519	4 / 0.480	2 / 0.480	- / -	2 / 0.480	3 / 1.854	1 / 0.763	3 / 2.289	5 / 1.540	16 / 15.256	51 / 26.830

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	1	1	2	-	1	2	1	-	1	1	-	-	1	1	1	-	1	-	-	-	3	-	-	-	5	-	-	16	51
Out	13	-	1	1	2	-	1	2	1	-	1	1	-	-	1	1	1	-	1	-	-	-	-	3	-	-	-	5	-	16	51

Method of Implementation: Depot Contractor : Installation Name: CNS/ATM C-26

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 1.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.050
FY 2013	- / -	4 / 1.520	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.520
FY 2014	- / -	- / -	3 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.600
FY 2015	- / -	- / -	- / -	3 / 0.600	- / -	3 / 0.600	- / -	- / -	- / -	- / -	- / -	3 / 0.600
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.223	- / -	- / -	- / -	- / -	2 / 0.223
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.150	- / -	- / -	- / -	1 / 0.150
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.410	4 / 1.410
Total	7 / 1.050	4 / 1.520	3 / 0.600	3 / 0.600	- / -	3 / 0.600	2 / 0.223	1 / 0.150	- / -	- / -	4 / 1.410	24 / 5.553

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot Contractor : Installation Name: CNS/ATM C-26

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	4	-	1	1	1	-	1	1	1	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	4	24
Out	7	-	-	-	4	-	1	1	1	-	1	1	1	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	4	24

Method of Implementation: Depot Contractor : Installation Name: CNS/ATM C-20

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 5.002	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 5.002
FY 2013	- / -	4 / 0.544	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.544
FY 2014	- / -	- / -	1 / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.100
FY 2015	- / -	- / -	- / -	3 / 1.000	- / -	3 / 1.000	- / -	- / -	- / -	- / -	- / -	3 / 1.000
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.375	- / -	- / -	- / -	- / -	4 / 0.375
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.200	- / -	- / -	- / -	6 / 1.200
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.450	- / -	4 / 1.450
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	16 / 5.002	4 / 0.544	1 / 0.100	3 / 1.000	- / -	3 / 1.000	4 / 0.375	6 / 1.200	- / -	4 / 1.450	- / -	38 / 9.671

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	1	2	1	-	1	-	-	-	1	1	1	-	2	2	-	-	2	2	2	-	-	-	-	-	2	2	-	-	38
Out	16	-	1	2	1	-	1	-	-	-	1	1	1	-	2	2	-	-	2	2	2	-	-	-	-	-	2	2	-	-	38

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot Contractor : Installation Name: CNS/ATM C-12

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	37 / 2.718
FY 2013	- / -	6 / 0.450	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.450
FY 2014	- / -	- / -	7 / 0.562	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.562
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 0.690	- / -	- / -	- / -	22 / 0.690
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.200	1 / 0.200
Total	37 / 2.718	6 / 0.450	7 / 0.562	- / -	- / -	- / -	- / -	22 / 0.690	- / -	- / -	1 / 0.200	73 / 4.620

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	6	-	2	2	3	-	-	-	-	-	-	-	-	11	11	-	-	-	-	-	-	-	-	-	1	73	
Out	37	-	-	-	6	-	2	2	3	-	-	-	-	-	-	-	-	11	11	-	-	-	-	-	-	-	-	-	1	73	

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

Installation Quantity: 121

Method of Implementation (Organic): Not Installed - Block 1

Installation Quantity: 65

Method of Implementation (Organic): Not Installed - Block 2

Installation Quantity: 86

Method of Implementation (Organic): Not Installed - Block 3

Installation Quantity: 105

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - HF Radio Upgrade C-20A		Installation Quantity: 1
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 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 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. (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. (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 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) 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. (9) 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. (10) 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. (11) 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. (12) The installation equipment N/R cost are based on the mandates that are required each year for each aircraft. The installation equipment N/R 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. (13) FY15-FY19 spike due to cost associated with Communication, Navigation and Surveillance/Air Traffic Management (CNS/ATM) FAA Mandates. (14) 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.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

(15) The support equipment cost are based on the mandates that are required each year for each aircraft. The support 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.

(16) FY15-FY19 spike due to cost associated with Communication, Navigation and Surveillance/Air Traffic Management (CNS/ATM) FAA Mandates.

(17) FY15-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 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series	Modification Number / Title: 3 / UC-12W CAPABILITY IMPROVEMENTS RESERVE FORCES (OSIP 025-12)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	8.380	-	-	-	-	-	-	-	-	-	-	8.380
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	8.380	-	-	-	-	-	-	-	-	-	-	8.380
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	8.380	-	-	-	-	-	-	-	-	-	-	8.380
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Description:

Southwest Asia Marine Expeditionary Force (MEF) Commanders lack light Operational Support Aircraft (OSA) lift assets capable of operating in threat Surface To Air Missile (SAM) environments of Southwest Asia (i.e. Iraq, Afghanistan). As a consequence, limited high value medium lift logistic assets (KC-130s) capable of operating in threat SAM environments, are being tasked to perform light OSA personnel and material movement requirements. To fill this OSA requirement, the UC-12W is being modified in order to provide relief to tactical assets that are better utilized in direct support to the warfighter. A Naval Air Systems Command Program Management Aviation Office 272 study determined the current Aircraft Survivability Equipment (ASE) system on the UC-12W is less effective against the advance Infrared missile threats now being deployed. Additionally, the limited range of the UC-12W limits the ability of the aircraft to fully support mission requirements of the MEF commander. This Operational, Safety and Improvement Program upgrades UC-12W aircraft with an additional ALE-47 Forward Firing Dispenser and Extended Range (ER) Tanks. The additional ALE-47 dispenser will increase the effectiveness of the ASE system against the advanced threats being deployed, allowing the UC-12W to safely support Operation Iraqi Freedom operations in more areas currently requiring the use of high value tactical assets. The addition of the ER Tanks increases the effective range of the UC-12W by 33% to 2,300 nm greatly increasing its ability to support OSA missions over a larger area than currently planned.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series					Modification Number / Title: 3 / UC-12W CAPABILITY IMPROVEMENTS RESERVE FORCES (OSIP 025-12)				
Models of Systems Affected: UC-12W				Modification Type: SAFETY/RELIABILITY					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: UC-12W CAPABILITY IMPROVEMENTS RESERVE FORCES (OSIP 025-12)													
A Kits													
Recurring													
1.1.1) ALE-47 Dispensers (OCO) - NonOrganic ⁽¹⁸⁾	6 / 1.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.150	
1.1.2) Extended Range Tanks (OCO) - NonOrganic	3 / 3.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 3.000	
Subtotal: Recurring	- / 4.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.150	
Non-Recurring													
1.2.1) Installation Kits N/R (OCO) - Organic	- / 1.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.350	
Subtotal: Non-Recurring	- / 1.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.350	
B Kits													
Recurring													
2.1.1) ALE-47 Dispensers (OCO) - Organic	6 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.500	
Subtotal: Recurring	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	
Subtotal: UC-12W CAPABILITY IMPROVEMENTS RESERVE FORCES (OSIP 025-12)	15 / 6.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 6.000	
Subtotal: Procurement, All Modification Items	- / 6.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.000	
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 (OCO)	- / 2.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.230	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 2.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.230	
Installation													
Modification Item 1 of 1: UC-12W CAPABILITY IMPROVEMENTS RESERVE FORCES (OSIP 025-12)	- / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.150	
Subtotal: Installation	- / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.150	

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series					Modification Number / Title: 3 / UC-12W CAPABILITY IMPROVEMENTS RESERVE FORCES (OSIP 025-12)				
Models of Systems Affected: UC-12W				Modification Type: SAFETY/RELIABILITY					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)		8.380	-	-	-	-	-	-	-	-	-	8.380	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series	Modification Number / Title: 3 / UC-12W CAPABILITY IMPROVEMENTS RESERVE FORCES (OSIP 025-12)

Modification Item 1 of 1: UC-12W CAPABILITY IMPROVEMENTS RESERVE FORCES (OSIP 025-12)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: L-3 Vertex				Manufacturer Location: >Madison, Mississippi			
Administrative Leadtime (in Months): 10				Production Leadtime (in Months): 18			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: [none specified] : Installation Name: ALE-47 Dispensers (OCO)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.000
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	6 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / -

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Out	-	-	-	-	-	-	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series	Modification Number / Title: 3 / UC-12W CAPABILITY IMPROVEMENTS RESERVE FORCES (OSIP 025-12)

Modification Item 1 of 1: UC-12W CAPABILITY IMPROVEMENTS RESERVE FORCES (OSIP 025-12)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Depot : Installation Name: Extended Range Tanks (OCO)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.150
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	3 / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.150

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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

Method of Implementation (Organic): Not Installed - ALE-47 Dispensers (OCO)

Installation Quantity: 6

Footnotes:

⁽¹⁸⁾ Installs in FY14 are funded with FY12 OCO per OCO funding guidance to request funds for the entire effort.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	67.438	-	-	-	-	-	-	-	-	-	-	67.438
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	67.438	-	-	-	-	-	-	-	-	-	-	67.438
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	67.438	-	-	-	-	-	-	-	-	-	-	67.438
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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													
Subtotal: Support													
Installation													
Subtotal: Installation													
Total													
Total Cost (Procurement + Support + Installation)													

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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	
Modification Item 1 of 1: N/A							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy										Date: March 2014										
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total								
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Gross/Weapon System Cost (<i>\$ in Millions</i>)	630.764	140.159	157.549	212.876	-	212.876	196.629	200.303	203.856	178.089	489.546	2,409.77								
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Net Procurement (P1) (<i>\$ in Millions</i>)	630.764	140.159	157.549	212.876	-	212.876	196.629	200.303	203.856	178.089	489.546	2,409.77								
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Total Obligation Authority (<i>\$ in Millions</i>)	630.764	140.159	157.549	212.876	-	212.876	196.629	200.303	203.856	178.089	489.546	2,409.77								
(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>)	-	-	-	-	-	-	-	-	-	-	-	-								
# The FY 2015 OCO Request will be submitted at a later date.																				
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, endurable, 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 distributed 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.																				
Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Safety Deficiencies (OSIP 008-02)	P-3a		-	-	71.477	-	-	3.513	-	-	3.687	-	-	3.355	-	-	-	-	-	3.355
P-3a - 2 / Tech Insertion (OSIP 003-04)	P-3a		-	-	102.388	-	-	19.488	-	-	13.820	-	-	20.298	-	-	-	-	-	20.298

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014						
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 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 3 / Service Life Extension Program (SLEP) (OSIP 003-07)	P-3a		-	-	59.145	-	-	13.282	-	-	22.079	-	-	15.569	-	-	-	-	-	15.569
P-3a - 4 / Communications Upgrade (OSIP 012-07)	P-3a		-	-	164.922	-	-	12.295	-	-	18.828	-	-	25.741	-	-	-	-	-	25.741
P-3a - 5 / Block I (OSIP 008-10)	P-3a		-	-	196.766	-	-	53.236	-	-	65.035	-	-	82.120	-	-	-	-	-	82.120
P-3a - 6 / Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)	P-3a		-	-	21.765	-	-	33.216	-	-	23.778	-	-	33.579	-	-	-	-	-	33.579
P-3a - 7 / Auxiliary Power Unit (APU) (OSIP 002-12)	P-3a		-	-	0.000	-	-	5.129	-	-	10.322	-	-	7.969	-	-	-	-	-	7.969
P-3a - 8 / Family of Adv Beyond-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	24.245	-	-	-	-	-	24.245
P-3a - 9 / Inactive OSIPS	P-3a		-	-	14.301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	630.764	-	-	140.159	-	-	157.549	-	-	212.876	-	-	-	-	-	212.876
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Safety Deficiencies (OSIP 008-02)	P-3a		-	-	2.743	-	-	3.891	-	-	3.306	-	-	3.452	-	-	20.031	-	-	115.455
P-3a - 2 / Tech Insertion (OSIP 003-04)	P-3a		-	-	12.981	-	-	37.798	-	-	71.711	-	-	127.814	-	-	385.758	-	-	792.056
P-3a - 3 / Service Life Extension Program (SLEP) (OSIP 003-07)	P-3a		-	-	15.849	-	-	4.485	-	-	6.416	-	-	8.089	-	-	35.866	-	-	180.780
P-3a - 4 / Communications Upgrade (OSIP 012-07)	P-3a		-	-	18.649	-	-	14.364	-	-	-	-	-	-	-	-	-	-	-	254.799
P-3a - 5 / Block I (OSIP 008-10)	P-3a		-	-	65.801	-	-	35.268	-	-	8.732	-	-	-	-	-	-	-	-	506.958
P-3a - 6 / Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)	P-3a		-	-	37.219	-	-	54.162	-	-	51.056	-	-	16.364	-	-	-	-	-	271.139
P-3a - 7 / Auxiliary Power Unit (APU) (OSIP 002-12)	P-3a		-	-	20.567	-	-	28.656	-	-	25.142	-	-	14.428	-	-	-	-	-	112.213

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 8 / Family of Adv Beyond-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV)	P-3a		-	-	22.820	-	-	21.679	-	-	37.493	-	-	7.942	-	-	47.891	-	-	162.070	
P-3a - 9 / Inactive OSIPS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.301	
Total Gross/Weapon System Cost			-	-	196.629	-	-	200.303	-	-	203.856	-	-	178.089	-	-	489.546	-	-	2,409.771	

*For the P-3a, Title represents the Modification Number / Title.

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 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ <i>in Millions</i>)	71.477	3.513	3.687	3.355	-	3.355	2.743	3.891	3.306	3.452	20.031	115.455
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	71.477	3.513	3.687	3.355	-	3.355	2.743	3.891	3.306	3.452	20.031	115.455
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	71.477	3.513	3.687	3.355	-	3.355	2.743	3.891	3.306	3.452	20.031	115.455
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 beyond Future Years Defense Plan (FYDP).

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 / 0.137	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	- / -	4 / 0.145	3 / 0.110	3 / 0.110	- / -	- / -	- / -	16 / 0.578
1.1.3) Archived ECPs - Organic	112 / 17.655	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	112 / 17.655
Subtotal: Recurring	- / 17.724	- / 0.133	- / 0.281	- / 0.282	- / -	- / 0.282	- / 0.249	- / 0.251	- / 0.143	- / 0.219	- / 0.075	- / 19.357
Non-Recurring												
1.2.1) Installation Kits N/R - NonOrganic	- / 23.168	- / 0.341	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.509
Subtotal: Non-Recurring	- / 23.168	- / 0.341	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.509
B Kits												
Recurring												
2.1.1) Blankets Phase 2 Equipment - NonOrganic	1 / 0.078	2 / 0.156	2 / 0.159	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.393
2.1.2) Archived ECPs - Organic	181 / 5.860	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	181 / 5.860
Subtotal: Recurring	- / 5.938	- / 0.156	- / 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)	296 / 49.952	4 / 0.630	8 / 0.440	6 / 0.282	- / -	6 / 0.282	5 / 0.249	5 / 0.251	2 / 0.143	3 / 0.219	1 / 0.075	330 / 52.241
Subtotal: Procurement, All Modification Items	- / 49.952	- / 0.630	- / 0.440	- / 0.282	- / -	- / 0.282	- / 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 ⁽¹⁾	11 / 3.938	- / -	- / -	1 / 0.285	- / -	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 ⁽²⁾	- / 14.623	- / 2.232	- / 1.851	- / 1.369	- / -	- / 1.369	- / 1.306	- / 2.415	- / 2.545	- / 2.273	- / 19.628	- / 48.242
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 19.771	- / 2.232	- / 1.851	- / 1.654	- / -	- / 1.654	- / 1.306	- / 2.415	- / 2.545	- / 2.273	- / 19.628	- / 53.675
Installation												

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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: Safety Deficiencies (OSIP 008-02)	- / 1.754	- / 0.651	- / 1.396	- / 1.419	- / -	- / 1.419	- / 1.188	- / 1.225	- / 0.618	- / 0.960	- / 0.328	- / 9.539
<i>Subtotal: Installation</i>	- / 1.754	- / 0.651	- / 1.396	- / 1.419	- / -	- / 1.419	- / 1.188	- / 1.225	- / 0.618	- / 0.960	- / 0.328	- / 9.539
Total												
Total Cost (Procurement + Support + Installation)	71.477	3.513	3.687	3.355	-	3.355	2.743	3.891	3.306	3.452	20.031	115.455

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Kapton 1A/Grace Electronics							Manufacturer Location: >Hollbrook NY					
Administrative Leadtime (<i>in Months</i>): 5							Production Leadtime (<i>in Months</i>): 5					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Feb 2013	Jan 2014	Feb 2015	Jan 2016	Jan 2017	Oct 2017	Oct 2018					
Delivery Dates	Jul 2013	Jun 2014	Jul 2015	Jun 2016	Jun 2017	Dec 2017	Dec 2018					
Manufacturer Name: FQIS/DOE							Manufacturer Location: >Kansas City MO					
Administrative Leadtime (<i>in Months</i>): 4							Production Leadtime (<i>in Months</i>): 3					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
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 (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 1					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Nov 2012	Nov 2013										
Delivery Dates	Dec 2012	Dec 2013										
Manufacturer Name: Training Equipment / TBD							Manufacturer Location: >TBD					
Administrative Leadtime (<i>in Months</i>): 3							Production Leadtime (<i>in Months</i>): 2					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	2 / 0.534	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.534
FY 2014	- / -	- / -	2 / 0.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.550
FY 2015	- / -	- / -	- / -	2 / 0.566	- / -	2 / 0.566	- / -	- / -	- / -	- / -	- / -	2 / 0.566
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.582	- / -	- / -	- / -	- / -	2 / 0.582

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Drive In : Installation Name: KAPTON 1A Kit

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.600	- / -	- / -	- / -	2 / 0.600
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.618	- / -	- / -	2 / 0.618
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.960	- / -	3 / 0.960
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.328	1 / 0.328
Total	- / -	2 / 0.534	2 / 0.550	2 / 0.566	- / -	2 / 0.566	2 / 0.582	2 / 0.600	2 / 0.618	3 / 0.960	1 / 0.328	16 / 4.738

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	1	1	-	1	-	1	-	-	1	1	-	-	1	1	-	-	1	1	1	1	-	1	1	2	16

Method of Implementation: Drive In : Installation Name: FQIS Kit

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	4 / 0.729	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.729
FY 2015	- / -	- / -	- / -	4 / 0.785	- / -	4 / 0.785	- / -	- / -	- / -	- / -	- / -	4 / 0.785
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.606	- / -	- / -	- / -	- / -	3 / 0.606
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.625	- / -	- / -	- / -	3 / 0.625
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 0.209	- / -	4 / 0.729	4 / 0.785	- / -	4 / 0.785	3 / 0.606	3 / 0.625	- / -	- / -	- / -	16 / 2.954

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Drive In : Installation Name: FQIS Kit

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.060
FY 2013	- / -	2 / 0.117	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.117
FY 2014	- / -	- / -	2 / 0.117	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.117
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.060	2 / 0.117	2 / 0.117	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.294

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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: Drive In : Installation Name: Training Equipment

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 1.485	3 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.485

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
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)																																							
Modification Item MDAP/MAIS Code:																																							
Installation Information																																							
Method of Implementation: Drive In : Installation Name: Training Equipment																																							
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2015		- / -	- / -	- / -	1 / 0.068	- / -	1 / 0.068	- / -	- / -	- / -	- / -	- / -	1 / 0.068																										
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
Total		8 / 1.485	3 / -	- / -	1 / 0.068	- / -	1 / 0.068	- / -	- / -	- / -	- / -	- / -	12 / 1.553																										
Installation Schedule																																							
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	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	8	-	1	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12								
Method of Implementation (Organic): Organic - Archived ECPs																														Installation Quantity: 112									
Method of Implementation (Organic): Organic - Archived ECPs																														Installation Quantity: 181									
Footnotes: ⁽¹⁾ No installation costs associated with 3 trainers installed in FY13. ⁽²⁾ Other Support cost in FY17-FY19 is for continued support of emergent aircraft safety hazards to enable mission readiness.																																							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ <i>in Millions</i>)	102.388	19.488	13.820	20.298	-	20.298	12.981	37.798	71.711	127.814	385.758	792.056
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	102.388	19.488	13.820	20.298	-	20.298	12.981	37.798	71.711	127.814	385.758	792.056
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	102.388	19.488	13.820	20.298	-	20.298	12.981	37.798	71.711	127.814	385.758	792.056
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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; 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 Camera NRE FY14; NRE kit buy in FY15; production kit buys in FY15-FY16 and installs in FY16-FY17. HPTS NRE FY19 and beyond Future Years Defense Plan (FYDP) with NRE kit buy in FY19; all production kit buys and installs beyond FYDP. HF ALE system NRE kit buy and install FY17; with production kit buys and installs FY18 to beyond the FYDP. CVLR NRE and NRE kit Buy in FY19 and NRE kit install, production kit buys and production installs beyond the FYDP. CNS/ATM NRE FY15 and FY16; NRE Kit buy and install in FY17; production kit buys and installs FY18 to beyond FYDP. MOM NRE FY18-FY19, NRE Kit buy in FY19 with install beyond FYDP and all production kits and installs beyond FYDP. Aircraft Electrical NRE FY19 to beyond FYDP with NRE kit buy in FY19; NRE kit install, production kit buys and installs beyond FYDP. ALCS NRE FY19 to beyond FYDP with NRE kit buy in FY19; NRE kit install, production kit buys and installs beyond FYDP.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	10 / 1.322	6 / 0.425	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.747	
1.1.2) HPTS - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.557	15 / 8.585	16 / 9.142	
1.1.3) CNS/ATM - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.370	3 / 1.128	8 / 3.064	4 / 1.559	16 / 6.121	
1.1.4) SEATS - NonOrganic	- / -	- / -	6 / 2.100	10 / 3.500	- / -	10 / 3.500	- / -	- / -	- / -	- / -	- / -	16 / 5.600	
1.1.5) CVLR - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.363	15 / 5.596	16 / 5.959	
1.1.6) MOM - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.259	15 / 3.993	16 / 4.252	
1.1.7) AC ELECTRICAL - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.363	15 / 5.497	16 / 5.860	
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	9 / 3.897	3 / 1.299	4 / 1.732	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 6.928	
1.1.10) ALCS - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.127	15 / 1.958	16 / 2.085	
1.1.11) GLARESHIELD - NonOrganic	- / -	- / -	7 / 0.021	6 / 0.018	- / -	6 / 0.018	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) Lab - Organic	4 / 0.036	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.350	1 / 0.330	3 / 2.166	- / -	9 / 2.882	
1.1.14) Archived ECPs - Organic	79 / 1.237	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	79 / 1.237	
1.1.15) PY Installs - Organic	94 / 3.614	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	94 / 3.614	
Subtotal: Recurring	- / 10.106	- / 1.724	- / 3.853	- / 3.566	- / -	- / 3.566	- / 0.057	- / 1.070	- / 2.527	- / 9.800	- / 28.665	- / 61.368	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽³⁾	- / 23.573	- / 7.511	- / 1.212	- / 8.725	- / -	- / 8.725	- / 9.584	- / 6.195	- / 21.231	- / 53.531	- / 46.942	- / 178.504	
Subtotal: Non-Recurring	- / 23.573	- / 7.511	- / 1.212	- / 8.725	- / -	- / 8.725	- / 9.584	- / 6.195	- / 21.231	- / 53.531	- / 46.942	- / 178.504	
B Kits													
Recurring													
2.1.1) ARC 210 Radio/Crypto - Organic	10 / 4.700	6 / 1.950	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 6.650	
2.1.2) HPTS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.451	15 / 22.366	16 / 23.817	
2.1.3) CNS/ATM - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.412	3 / 4.311	8 / 11.706	4 / 5.959	16 / 23.388	
2.1.4) AC ELECTRICAL - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.824	15 / 57.911	16 / 61.735	
2.1.5) MOM - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.859	15 / 44.068	16 / 46.927	
2.1.6) CVLR - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.517	15 / 7.969	16 / 8.486	
2.1.7) ALCS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.310	15 / 4.778	16 / 5.088	
2.1.8) HF ALE - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.352	8 / 10.897	4 / 5.545	- / -	16 / 21.794	
2.1.9) HPTS Camera - Organic	- / -	- / -	- / -	8 / 0.048	- / -	8 / 0.048	8 / 0.048	- / -	- / -	- / -	- / -	16 / 0.096	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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: [No Modification Type Specified]				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
2.1.10) Lab Equipment - NonOrganic	6 / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.338	1 / 1.450	3 / 4.827	- / -	11 / 8.095
2.1.11) Archived ECPs - Organic	128 / 7.855	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	128 / 7.855
Subtotal: Recurring	- / 13.035	- / 1.950	- / -	- / 0.048	- / -	- / 0.048	- / 0.048	- / 8.102	- / 16.658	- / 31.039	- / 143.051	- / 213.931
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)	340 / 56.455	15 / 11.185	17 / 5.065	32 / 12.339	- / -	32 / 12.339	19 / 9.689	9 / 15.367	19 / 40.416	44 / 94.370	162 / 218.658	657 / 463.544
Subtotal: Procurement, All Modification Items	- / 56.455	- / 11.185	- / 5.065	- / 12.339	- / -	- / 12.339	- / 9.689	- / 15.367	- / 40.416	- / 94.370	- / 218.658	- / 463.544
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data ⁽⁴⁾	- / 0.953	- / 0.097	- / 0.035	- / 0.009	- / -	- / 0.009	- / 0.275	- / 0.565	- / 0.901	- / 0.650	- / 1.342	- / 4.827
3.3) Training Equipment ⁽⁵⁾	20 / 7.597	2 / 0.161	- / 0.210	4 / 0.246	- / -	4 / 0.246	- / -	5 / 16.510	2 / 7.960	2 / 5.958	9 / 26.015	44 / 64.657
3.4) Support Equipment	9 / 2.685	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.685
3.5) ILS ⁽⁶⁾	- / 0.887	- / 0.096	- / 0.096	- / 0.088	- / -	- / 0.088	- / 0.126	- / -	- / 2.000	- / 1.250	- / 1.753	- / 6.296
3.6) Other Support ⁽⁷⁾	- / 32.407	- / 2.916	- / 6.234	- / 6.346	- / -	- / 6.346	- / 2.693	- / 2.604	- / 3.149	- / 3.227	- / 10.364	- / 69.940
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 44.529	- / 3.270	- / 6.575	- / 6.689	- / -	- / 6.689	- / 3.094	- / 19.679	- / 14.010	- / 11.085	- / 39.474	- / 148.405
Installation												
Modification Item 1 of 1: Tech Insertion (OSIP 003-04)	- / 1.404	- / 5.033	- / 2.180	- / 1.270	- / -	- / 1.270	- / 0.198	- / 2.752	- / 17.285	- / 22.359	- / 127.626	- / 180.107
Subtotal: Installation	- / 1.404	- / 5.033	- / 2.180	- / 1.270	- / -	- / 1.270	- / 0.198	- / 2.752	- / 17.285	- / 22.359	- / 127.626	- / 180.107
Total												
Total Cost (Procurement + Support + Installation)	102.388	19.488	13.820	20.298	-	20.298	12.981	37.798	71.711	127.814	385.758	792.056

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Exhibit P-3a, Individual Modification: PB 2015 Navy						Date: March 2014	
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Various - HPTS / CVLR / MOM / AC Elec / ALCS				Manufacturer Location: >Various			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							Dec 2018
Delivery Dates							Dec 2019
Manufacturer Name: Various - CNS/ATM / HF ALE				Manufacturer Location: >Various			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 2			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates					Jan 2017	Oct 2017	Oct 2018
Delivery Dates					Mar 2017	Dec 2017	Dec 2018
Manufacturer Name: Arc 210/Rockwell Collins				Manufacturer Location: >Cedar Rapids IA			
Administrative Leadtime (<i>in Months</i>): 7				Production Leadtime (<i>in Months</i>): 6			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jan 2013	Aug 2013					
Delivery Dates	Jul 2013	Jan 2014					
Manufacturer Name: Carbon Brakes/General Atomic Systems Integration				Manufacturer Location: >Kaysville UT			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Mar 2013	Mar 2014					
Delivery Dates	Oct 2013	Sep 2014					
Manufacturer Name: Seats/TBD				Manufacturer Location: >TBD			
Administrative Leadtime (<i>in Months</i>): 10				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Jul 2014	Jul 2015				
Delivery Dates		Jan 2015	Jan 2016				
Manufacturer Name: Glareshield/ TBD				Manufacturer Location: >TBD			
Administrative Leadtime (<i>in Months</i>): 1				Production Leadtime (<i>in Months</i>): 2			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Oct 2013	Oct 2014	Nov 2015			

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014						
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)													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
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 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates			Dec 2014	Dec 2015									
Delivery Dates			Dec 2015	Dec 2016									
Manufacturer Name: Training Equipment / Multiple ⁽⁸⁾							Manufacturer Location: >Multiple Various						
Administrative Leadtime (in Months): 0							Production Leadtime (in Months): 0						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates													
Delivery Dates													
Manufacturer Name: Lab Equipment / Multiple ⁽⁹⁾							Manufacturer Location: >Multiple Various						
Administrative Leadtime (in Months): 4							Production Leadtime (in Months): 2						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates					Jan 2017	Jan 2018	Dec 2018						
Delivery Dates					Mar 2017	Mar 2018	Dec 2019						
Installation Information													
Method of Implementation: Drive In : Installation Name: ARC 210 Radio/Crypto													
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 2.669	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.669	
FY 2013	- / -	3 / 0.801	3 / 1.204	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.005	
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0564 / E-6 Series									
Modification Item 1 of 1: Tech Insertion (OSIP 003-04)										Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)									

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Drive In : Installation Name: ARC 210 Radio/Crypto

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	13 / 3.470	3 / 1.204	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 4.674

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Out	-	2	5	3	2	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16

Method of Implementation: Drive In : Installation Name: HPTS / CVLR / MOM / AC Elec / ALCS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 6.090	5 / 6.090
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	75 / 93.874	75 / 93.874
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 99.964	80 / 99.964

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	80
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	80

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Drive In : Installation Name: CNS/ATM / HF ALE

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.337	- / -	- / -	- / -	2 / 2.337
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 7.136	- / -	- / -	6 / 7.136
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 19.376	- / -	16 / 19.376
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 9.863	8 / 9.863
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.337	6 / 7.136	16 / 19.376	8 / 9.863	32 / 38.712

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	4	4	4	4	8	32	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	2	4	4	4	4	10	32	

Method of Implementation: Drive In : Installation Name: SEATS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	6 / 0.053	- / -	6 / 0.053	- / -	- / -	- / -	- / -	- / -	6 / 0.053
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.089	- / -	- / -	- / -	- / -	10 / 0.089
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	6 / 0.053	- / -	6 / 0.053	10 / 0.089	- / -	- / -	- / -	- / -	16 / 0.142

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Drive In : Installation Name: SEATS

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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: Drive In : Installation Name: CARBON BRAKES

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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	1 / 0.157	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.413
FY 2013	- / -	- / -	3 / 0.471	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.471
FY 2014	- / -	- / -	1 / -	3 / 0.496	- / -	3 / 0.496	- / -	- / -	- / -	- / -	- / -	4 / 0.496
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	8 / 1.256	5 / 0.628	3 / 0.496	- / -	3 / 0.496	- / -	- / -	- / -	- / -	- / -	16 / 2.380

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	
Out	-	-	2	2	2	2	2	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	

Method of Implementation: Drive In : Installation Name: GLARESHIELD

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Drive In : Installation Name: GLARESHIELD

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	7 / 0.088	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.088
FY 2015	- / -	- / -	- / -	6 / 0.096	- / -	6 / 0.096	- / -	- / -	- / -	- / -	- / -	6 / 0.096
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.051	- / -	- / -	- / -	- / -	3 / 0.051
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	7 / 0.088	6 / 0.096	- / -	6 / 0.096	3 / 0.051	- / -	- / -	- / -	- / -	16 / 0.235

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.058	- / -	- / -	- / -	- / -	8 / 0.058
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.069	- / -	- / -	- / -	8 / 0.069
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.058	8 / 0.069	- / -	- / -	- / -	16 / 0.127

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Drive In : Installation Name: HPTS Camera

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.346	- / -	- / -	- / -	1 / 0.346
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.798	- / -	- / -	1 / 1.798
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.271	3 / 4.271
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 0.112	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.346	1 / 1.798	- / -	3 / 4.271	11 / 6.527

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	3	11
Out	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	3	11

Method of Implementation: [none specified] : Installation Name: Training Equipment

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 1.292	3 / 0.307	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.599

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: [none specified] : Installation Name: Training Equipment																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>																		
FY 2013		- / -	- / -	1 / 0.260	1 / 0.025	- / -	1 / 0.025	- / -	- / -	- / -	- / -	- / -	2 / 0.285																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	4 / 0.600	- / -	4 / 0.600	- / -	- / -	- / -	- / -	- / -	4 / 0.600																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 8.351	- / -	- / -	5 / 8.351																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.983	- / -	2 / 2.983																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.929	2 / 1.929																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 11.599	9 / 11.599																		
Total		17 / 1.292	3 / 0.307	1 / 0.260	5 / 0.625	- / -	5 / 0.625	- / -	- / -	5 / 8.351	2 / 2.983	11 / 13.528	44 / 27.346																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	1	1	-	1	-	-	-	2	1	1	1	-	-	-	-	-	-	-	-	1	2	1	1	1	-	1	-	11	44
Out	17	-	1	1	1	-	-	1	-	-	1	2	1	1	-	-	-	-	-	-	-	-	1	2	1	1	1	-	1	11	44
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 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
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 - Archived ECPs		Installation Quantity: 128
Method of Implementation (Organic): Not Installed - Support Equipment		Installation Quantity: 9
Footnotes: ⁽³⁾ 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-FY19 is to support HPTS, CVLR, MOM, AC Electrical, and ALCS NRE A Kit procurement in FY19. ⁽⁴⁾ 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. ⁽⁵⁾ Training Equipment cost in FY15 is for the HPTS Camera. ⁽⁶⁾ ILS cost in FY16 is for Seats ILS management. ⁽⁷⁾ Other Support cost in FY14 is for the start of the HPTS Camera, Seats, and Glareshield NRE efforts. Other Support cost in FY18 and FY19 is for the start of the MOM NRE effort. ⁽⁸⁾ Administrative and Production Leadtimes vary for training equipment in FY13, FY15, and FY17-FY19. ⁽⁹⁾ Administrative and Production Leadtimes vary for Lab Equipment in FY17-FY19.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	59.145	13.282	22.079	15.569	-	15.569	15.849	4.485	6.416	8.089	35.866	180.780
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	59.145	13.282	22.079	15.569	-	15.569	15.849	4.485	6.416	8.089	35.866	180.780
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	59.145	13.282	22.079	15.569	-	15.569	15.849	4.485	6.416	8.089	35.866	180.780
(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>	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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; 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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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: [No Modification Type Specified]				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	7 / 5.126	2 / 1.843	3 / 2.805	2 / 1.900	- / -	2 / 1.900	2 / 1.934	- / -	- / -	- / -	- / -	16 / 13.608
1.1.2) CSFIR Phase Two Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.407	15 / 6.277	16 / 6.684
Subtotal: Recurring	- / 5.126	- / 1.843	- / 2.805	- / 1.900	- / -	- / 1.900	- / 1.934	- / -	- / -	- / 0.407	- / 6.277	- / 20.292
Non-Recurring												
1.2.1) Installation Kits N/R - NonOrganic ⁽¹⁰⁾	- / 6.413	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.580	- / 4.500	- / 5.672	- / 1.200	- / 20.365
Subtotal: Non-Recurring	- / 6.413	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.580	- / 4.500	- / 5.672	- / 1.200	- / 20.365
Subtotal: Service Life Extension Program (SLEP) (OSIP 003-07)	7 / 11.539	2 / 1.843	3 / 2.805	2 / 1.900	- / -	2 / 1.900	2 / 1.934	- / 2.580	- / 4.500	1 / 6.079	15 / 7.477	32 / 40.657
Subtotal: Procurement, All Modification Items	- / 11.539	- / 1.843	- / 2.805	- / 1.900	- / -	- / 1.900	- / 1.934	- / 2.580	- / 4.500	- / 6.079	- / 7.477	- / 40.657
Support (All Modification Items)												
3.1) Engineering Change Order	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.260	- / 0.323
3.3) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.486	1 / 1.486
3.4) Support Equipment	- / 0.794	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.794
3.5) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / 0.200
3.6) Other Support ⁽¹¹⁾	- / 8.642	- / 1.494	- / 1.736	- / 1.767	- / -	- / 1.767	- / 1.798	- / 1.905	- / 1.916	- / 2.010	- / 6.549	- / 27.817
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 9.499	- / 1.494	- / 1.736	- / 1.767	- / -	- / 1.767	- / 1.798	- / 1.905	- / 1.916	- / 2.010	- / 8.495	- / 30.620
Installation												
Modification Item 1 of 1: Service Life Extension Program (SLEP) (OSIP 003-07)	- / 38.107	- / 9.945	- / 17.538	- / 11.902	- / -	- / 11.902	- / 12.117	- / -	- / -	- / -	- / 19.894	- / 109.503
Subtotal: Installation	- / 38.107	- / 9.945	- / 17.538	- / 11.902	- / -	- / 11.902	- / 12.117	- / -	- / -	- / -	- / 19.894	- / 109.503
Total												
Total Cost (Procurement + Support + Installation)	59.145	13.282	22.079	15.569	-	15.569	15.849	4.485	6.416	8.089	35.866	180.780

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
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 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Nov 2012	Nov 2013	Nov 2014	Nov 2015								
Delivery Dates	Nov 2012	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 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												Dec 2018
Delivery Dates												Dec 2019
Installation Information												
Method of Implementation: Drive In : Installation Name: SLEP Phase One Kits												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 38.107	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 38.107
FY 2013	- / -	2 / 9.945	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 9.945
FY 2014	- / -	- / -	3 / 17.538	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 17.538
FY 2015	- / -	- / -	- / -	2 / 11.902	- / -	2 / 11.902	- / -	- / -	- / -	- / -	- / -	2 / 11.902
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 12.117	- / -	- / -	- / -	- / -	2 / 12.117
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	7 / 38.107	2 / 9.945	3 / 17.538	2 / 11.902	- / -	2 / 11.902	2 / 12.117	- / -	- / -	- / -	- / -	16 / 89.609

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Drive In : Installation Name: SLEP Phase One Kits

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	1	-	1	1	1	-	1	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Out	6	-	1	-	1	-	1	-	1	1	1	-	1	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	16

Method of Implementation: Drive In : Installation Name: CSFIR Phase Two Kit

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.127	1 / 1.127
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 17.383	15 / 17.383
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 18.510	16 / 18.510

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	16		
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	16		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: Training Equipment

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.384	1 / 1.384
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.384	1 / 1.384

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1

Footnotes:

(10) Installation Kits N/R cost in FY18 and FY19 is to support the start of the CSFIR Phase 2 effort.

(11) Other Support cost in FY14 is the projected cost to support the SLEP program. 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	164.922	12.295	18.828	25.741	-	25.741	18.649	14.364	-	-	-	254.799
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	164.922	12.295	18.828	25.741	-	25.741	18.649	14.364	-	-	-	254.799
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	164.922	12.295	18.828	25.741	-	25.741	18.649	14.364	-	-	-	254.799
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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-FY16 with installs FY11-FY17. IP Phase 3 UTWA removal NRE FY07-FY08 with NRE kit install in FY09. Phase 3 aircraft production kit buys in FY10-FY16 with installs in FY11-FY17. IP Phases 1 and 3 installations will be completed concurrently with the Block I production program in FY12 through FY17.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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: [No Modification Type Specified]				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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: Communications Upgrade (OSIP 012-07)												
A Kits												
Recurring												
1.1.1) Phase One Kit - NonOrganic ⁽¹²⁾	6 / 2.299	2 / 0.892	2 / 0.910	3 / 1.392	- / -	3 / 1.392	3 / 1.422	- / -	- / -	- / -	- / -	16 / 6.915
1.1.2) Phase Three Kit - NonOrganic ⁽¹³⁾	6 / 2.899	2 / 1.290	2 / 1.316	3 / 2.013	- / -	3 / 2.013	3 / 2.052	- / -	- / -	- / -	- / -	16 / 9.570
1.1.3) Archived ECPs - Organic	19 / 8.082	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 8.082
Subtotal: Recurring	- / 13.280	- / 2.182	- / 2.226	- / 3.405	- / -	- / 3.405	- / 3.474	- / -	- / -	- / -	- / -	- / 24.567
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 ⁽¹⁴⁾	6 / 2.967	2 / 1.340	2 / 1.366	3 / 2.091	- / -	3 / 2.091	3 / 2.130	- / -	- / -	- / -	- / -	16 / 9.894
2.1.2) Phase Three Equipment - Organic ⁽¹⁵⁾	6 / 3.480	2 / 1.934	2 / 1.972	3 / 3.018	- / -	3 / 3.018	3 / 3.081	- / -	- / -	- / -	- / -	16 / 13.485
2.1.3) Archived ECPs - Organic	19 / 3.667	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 3.667
Subtotal: Recurring	- / 10.114	- / 3.274	- / 3.338	- / 5.109	- / -	- / 5.109	- / 5.211	- / -	- / -	- / -	- / -	- / 27.046
Subtotal: Communications Upgrade (OSIP 012-07)	62 / 77.163	8 / 5.456	8 / 5.564	12 / 8.514	- / -	12 / 8.514	12 / 8.685	- / -	- / -	- / -	- / -	102 / 105.382
Subtotal: Procurement, All Modification Items	- / 77.163	- / 5.456	- / 5.564	- / 8.514	- / -	- / 8.514	- / 8.685	- / -	- / -	- / -	- / -	- / 105.382
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 2.710	- / 0.138	- / -	- / 0.139	- / -	- / 0.139	- / -	- / -	- / -	- / -	- / -	- / 2.987
3.3) Training Equipment ⁽¹⁶⁾	12 / 6.588	2 / 1.074	2 / 1.166	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 8.828
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ILS	- / 3.169	- / -	- / -	- / 1.158	- / -	- / 1.158	- / -	- / -	- / -	- / -	- / -	- / 4.327
3.6) Other Support ⁽¹⁷⁾	- / 42.169	- / 1.642	- / 3.434	- / 3.495	- / -	- / 3.495	- / 1.508	- / 1.425	- / -	- / -	- / -	- / 53.673
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 54.636	- / 2.854	- / 4.600	- / 4.792	- / -	- / 4.792	- / 1.508	- / 1.425	- / -	- / -	- / -	- / 69.815
Installation												
Modification Item 1 of 1: Communications Upgrade (OSIP 012-07)	- / 33.123	- / 3.985	- / 8.664	- / 12.435	- / -	- / 12.435	- / 8.456	- / 12.939	- / -	- / -	- / -	- / 79.602

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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: [No Modification Type Specified]				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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: Installation</i>													
	- / 33.123	- / 3.985	- / 8.664	- / 12.435	- / -	- / 12.435	- / 8.456	- / 12.939	- / -	- / -	- / -	- / 79.602	
Total													
Total Cost (Procurement + Support + Installation)													
	164.922	12.295	18.828	25.741	-	25.741	18.649	14.364	-	-	-	254.799	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Phase 1/Boeing							Manufacturer Location: >Oklahoma City OK					
Administrative Leadtime (<i>in Months</i>): 2							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Nov 2012	Nov 2013	Nov 2014	Nov 2015								
Delivery Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016								
Manufacturer Name: Phase 3/Rockwell Collins							Manufacturer Location: >Cedar Rapids IA					
Administrative Leadtime (<i>in Months</i>): 2							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Nov 2012	Nov 2013	Nov 2014	Nov 2015								
Delivery Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016								
Manufacturer Name: Training Equipment / Multiple ⁽¹⁸⁾							Manufacturer Location: >Multiple Various					
Administrative Leadtime (<i>in Months</i>): 0							Production Leadtime (<i>in Months</i>): 0					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Dec 2012	Nov 2013										
Delivery Dates	Dec 2013	Apr 2014										
Installation Information												
Method of Implementation: [none specified] : Installation Name: Phase One & Three												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 30.393	2 / 3.985	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 34.378
FY 2013	- / -	- / -	4 / 7.712	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.712
FY 2014	- / -	- / -	- / -	4 / 8.290	- / -	4 / 8.290	- / -	- / -	- / -	- / -	- / -	4 / 8.290
FY 2015	- / -	- / -	- / -	2 / 4.145	- / -	2 / 4.145	4 / 8.456	- / -	- / -	- / -	- / -	6 / 12.601
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 12.939	- / -	- / -	- / -	6 / 12.939
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	10 / 30.393	2 / 3.985	4 / 7.712	6 / 12.435	- / -	6 / 12.435	4 / 8.456	6 / 12.939	- / -	- / -	- / -	32 / 75.920

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014										
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)																																	
Modification Item MDAP/MAIS Code:																																	
Installation Information																																	
Method of Implementation: [none specified] : Installation Name: Phase One & Three																																	
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	-	2	-	-	-	2	-	2	2	-	2	2	-	2	2	-	2	-	2	2	-	-	-	-	-	-	-	-	-	-	32	
Out	8	-	2	-	2	-	-	-	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		12 / 2.730	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 2.730																				
FY 2013		- / -	- / -	2 / 0.669	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.669																				
FY 2014		- / -	- / -	2 / 0.283	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.283																				
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
Total		12 / 2.730	- / -	4 / 0.952	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 3.682																				
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - Phase Three Equipment		Installation Quantity: 16
Method of Implementation (Organic): Organic - Archived ECPs		Installation Quantity: 19
Footnotes: (12) Phase One A Kit unit cost in FY14-FY16 is based on LRIP actuals. (13) Phase Three A Kit unit cost in FY14-FY16 is based on negotiated contract pricing. (14) Phase One Equipment unit cost in FY14-FY16 is based on LRIP actuals. (15) Phase Three Equipment unit cost in FY14-FY16 is based on negotiated contract pricing. (16) Training Equipment cost in FY14 is to support the Phase One training equipment modifications. (17) Other Support cost in FY14 is to support the Phase One FRP contract award scheduled for FY14. (18) Administrative and Production Leadtimes vary for FY13 and FY14 training equipment.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	196.766	53.236	65.035	82.120	-	82.120	65.801	35.268	8.732	-	-	506.958
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	196.766	53.236	65.035	82.120	-	82.120	65.801	35.268	8.732	-	-	506.958
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	196.766	53.236	65.035	82.120	-	82.120	65.801	35.268	8.732	-	-	506.958
(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)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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-FY16 (11 A/C) with installs in FY13-FY17. 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-FY16 with installs in FY13-FY17 (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 2015 Navy								Date: March 2014					
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: [No Modification Type Specified]				Related RDT&E PEs: 0101402N					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽¹⁹⁾	5 / 18.668	2 / 7.547	2 / 7.700	3 / 11.637	- / -	3 / 11.637	3 / 12.024	- / -	- / -	- / -	- / -	15 / 57.576	
1.1.2) TECH UPGRADE - NonOrganic	- / -	- / -	- / -	3 / 0.744	- / -	3 / 0.744	5 / 1.262	4 / 1.028	4 / 1.048	- / -	- / -	16 / 4.082	
Subtotal: Recurring	- / 18.668	- / 7.547	- / 7.700	- / 12.381	- / -	- / 12.381	- / 13.286	- / 1.028	- / 1.048	- / -	- / -	- / 61.658	
Non-Recurring													
1.2.1) Installation Kits N/R - NonOrganic	- / 34.068	- / -	- / 2.056	- / 3.704	- / -	- / 3.704	- / -	- / -	- / -	- / -	- / -	- / 39.828	
Subtotal: Non-Recurring	- / 34.068	- / -	- / 2.056	- / 3.704	- / -	- / 3.704	- / -	- / -	- / -	- / -	- / -	- / 39.828	
B Kits													
Recurring													
2.1.1) BLOCK ONE Equipment - Organic ⁽²⁰⁾	5 / 34.668	2 / 14.017	2 / 13.715	3 / 21.612	- / -	3 / 21.612	3 / 22.329	- / -	- / -	- / -	- / -	15 / 106.341	
2.1.2) TECH UPGRADE - Organic	- / -	- / -	- / -	3 / 1.275	- / -	3 / 1.275	5 / 2.163	4 / 1.762	4 / 1.793	- / -	- / -	16 / 6.993	
2.1.3) VTT - NonOrganic ⁽²¹⁾	- / -	7 / 2.641	2 / 0.771	3 / 1.189	- / -	3 / 1.189	3 / 1.218	- / -	- / -	- / -	- / -	15 / 5.819	
Subtotal: Recurring	- / 34.668	- / 16.658	- / 14.486	- / 24.076	- / -	- / 24.076	- / 25.710	- / 1.762	- / 1.793	- / -	- / -	- / 119.153	
Subtotal: Block I (OSIP 008-10)	10 / 87.404	11 / 24.205	6 / 24.242	15 / 40.161	- / -	15 / 40.161	19 / 38.996	8 / 2.790	8 / 2.841	- / -	- / -	77 / 220.639	
Subtotal: Procurement, All Modification Items	- / 87.404	- / 24.205	- / 24.242	- / 40.161	- / -	- / 40.161	- / 38.996	- / 2.790	- / 2.841	- / -	- / -	- / 220.639	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / -	- / -	- / -	- / 0.875	- / -	- / 0.875	- / 0.935	- / 0.810	- / 0.472	- / -	- / -	- / 3.092	
3.2) Data ⁽²²⁾	- / 4.057	- / 2.893	- / 4.237	- / 4.153	- / -	- / 4.153	- / 2.323	- / 2.574	- / 2.666	- / -	- / -	- / 22.903	
3.3) Training Equipment	5 / 20.274	- / 11.724	3 / 9.931	1 / 2.440	- / -	1 / 2.440	- / 0.124	- / 0.349	- / 0.132	- / -	- / -	9 / 44.974	
3.4) Support Equipment	1 / 26.094	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 26.094	
3.5) ILS ⁽²³⁾	- / 2.313	- / -	- / 0.422	- / 0.439	- / -	- / 0.439	- / 1.435	- / 0.721	- / -	- / -	- / -	- / 5.330	
3.6) Other Support ⁽²⁴⁾	- / 22.245	- / 7.072	- / 8.429	- / 8.580	- / -	- / 8.580	- / 6.418	- / 5.739	- / 1.051	- / -	- / -	- / 59.534	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 74.983	- / 21.689	- / 23.019	- / 16.487	- / -	- / 16.487	- / 11.235	- / 10.193	- / 4.321	- / -	- / -	- / 161.927	
Installation													
Modification Item 1 of 1: Block I (OSIP 008-10)	- / 34.379	- / 7.342	- / 17.774	- / 25.472	- / -	- / 25.472	- / 15.570	- / 22.285	- / 1.570	- / -	- / -	- / 124.392	
Subtotal: Installation	- / 34.379	- / 7.342	- / 17.774	- / 25.472	- / -	- / 25.472	- / 15.570	- / 22.285	- / 1.570	- / -	- / -	- / 124.392	
Total													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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: [No Modification Type Specified]				Related RDT&E PEs: 0101402N					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)	196.766	53.236	65.035	82.120	-	82.120	65.801	35.268	8.732	-	-	506.958

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Block 1/Rockwell Collins							Manufacturer Location: >Cedar Rapids IA					
Administrative Leadtime (<i>in Months</i>): 2							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Nov 2012	Nov 2013	Nov 2014	Nov 2015								
Delivery Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016								
Manufacturer Name: Tech Upgrade/Rockwell Collins							Manufacturer Location: >Cedar Rapids IA					
Administrative Leadtime (<i>in Months</i>): 2							Production Leadtime (<i>in Months</i>): 2					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
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 (<i>in Months</i>): 2							Production Leadtime (<i>in Months</i>): 9					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Nov 2012	Nov 2013	Nov 2014	Jan 2016								
Delivery Dates	Aug 2013	Aug 2014	Aug 2015	Oct 2016								
Installation Information												
Method of Implementation: Drive In : Installation Name: BLOCK ONE Kit												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	4 / 31.279	1 / 6.946	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 38.225
FY 2013	- / -	- / -	2 / 14.310	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 14.310
FY 2014	- / -	- / -	- / -	2 / 12.774	- / -	2 / 12.774	- / -	- / -	- / -	- / -	- / -	2 / 12.774
FY 2015	- / -	- / -	- / -	1 / 6.387	- / -	1 / 6.387	2 / 12.824	- / -	- / -	- / -	- / -	3 / 19.211
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 19.431	- / -	- / -	- / -	3 / 19.431
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 31.279	1 / 6.946	2 / 14.310	3 / 19.161	- / -	3 / 19.161	2 / 12.824	3 / 19.431	- / -	- / -	- / -	15 / 103.951

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Drive In : Installation Name: BLOCK ONE Kit

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	1	-	-	-	1	-	1	1	-	1	1	-	1	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-	15
Out	3	-	1	-	1	-	-	-	1	1	-	1	-	1	1	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	15

Method of Implementation: [none specified] : Installation Name: TECH UPGRADE

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	3 / 1.117	- / -	3 / 1.117	- / -	- / -	- / -	- / -	- / -	3 / 1.117
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.893	- / -	- / -	- / -	- / -	5 / 1.893
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.542	- / -	- / -	- / -	4 / 1.542
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.570	- / -	- / -	4 / 1.570
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	3 / 1.117	- / -	3 / 1.117	5 / 1.893	4 / 1.542	4 / 1.570	- / -	- / -	16 / 6.122

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	2	1	1	1	1	1	1	1	1	1	1	-	-	-	-	16	

Method of Implementation: [none specified] : Installation Name: VTT

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: VTT

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	1 / 0.396	6 / 2.435	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.831
FY 2014	- / -	- / -	- / -	2 / 0.833	- / -	2 / 0.833	- / -	- / -	- / -	- / -	- / -	2 / 0.833
FY 2015	- / -	- / -	- / -	1 / 0.416	- / -	1 / 0.416	2 / 0.853	- / -	- / -	- / -	- / -	3 / 1.269
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.312	- / -	- / -	- / -	3 / 1.312
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 0.396	6 / 2.435	3 / 1.249	- / -	3 / 1.249	2 / 0.853	3 / 1.312	- / -	- / -	- / -	15 / 6.245

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	1	1	-	1	1	-	1	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-	15
Out	-	-	-	-	-	2	2	1	1	1	-	1	1	1	-	1	-	1	-	1	1	1	-	-	-	-	-	-	-	-	15

Method of Implementation: Drive In : Installation Name: Training Equipment

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	1 / 1.029	2 / 3.500	- / -	2 / 3.500	- / -	- / -	- / -	- / -	- / -	3 / 4.529
FY 2015	- / -	- / -	- / -	1 / 0.445	- / -	1 / 0.445	- / -	- / -	- / -	- / -	- / -	1 / 0.445
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	5 / 3.100	- / -	1 / 1.029	3 / 3.945	- / -	3 / 3.945	- / -	- / -	- / -	- / -	- / -	9 / 8.074

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014								
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)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Drive In : Installation Name: Training Equipment																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Out	5	-	-	-	-	-	-	-	1	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Method of Implementation (Organic): Organic - BLOCK ONE Equipment																							Installation Quantity: 15								
Method of Implementation (Organic): Organic - TECH UPGRADE																							Installation Quantity: 16								
Method of Implementation (Organic): Organic - Support Equipment																							Installation Quantity: 1								
Footnotes: ⁽¹⁹⁾ Block I A Kit unit cost in FY14 and FY16 is based on negotiated contract pricing. ⁽²⁰⁾ Block I Equipment unit cost in FY15-FY16 is based on negotiated contract pricing. ⁽²¹⁾ VTT B Kit unit cost in FY14-FY16 is based on negotiated contract pricing. ⁽²²⁾ Data cost in FY17-FY18 is based on negotiated contract pricing. ⁽²³⁾ ILS support cost in FY15-FY16 is based on negotiated contract pricing. ⁽²⁴⁾ Other Support cost in FY14 is the projected estimate to continue to support the Block I program.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	21.765	33.216	23.778	33.579	-	33.579	37.219	54.162	51.056	16.364	-	271.139
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	21.765	33.216	23.778	33.579	-	33.579	37.219	54.162	51.056	16.364	-	271.139
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	21.765	33.216	23.778	33.579	-	33.579	37.219	54.162	51.056	16.364	-	271.139
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 distributed 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 2015 Navy								Date: March 2014				
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: [No Modification Type Specified]				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	1 / 1.640	3 / 5.009	6 / 10.197	5 / 8.648	- / -	- / -	16 / 27.077
Subtotal: Recurring	- / 0.000	- / 1.583	- / -	- / 1.640	- / -	- / 1.640	- / 5.009	- / 10.197	- / 8.648	- / -	- / -	- / 27.077
Non-Recurring												
1.2.1) Installation Kit N/R - NonOrganic	- / 6.474	- / 15.090	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.564
Subtotal: Non-Recurring	- / 6.474	- / 15.090	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.564
B Kits												
Recurring												
2.1.1) MR-TCDL Equipment - Organic	- / -	1 / 4.431	- / -	1 / 4.591	- / -	1 / 4.591	3 / 14.024	6 / 28.552	5 / 24.213	- / -	- / -	16 / 75.811
2.1.2) GFE - Organic	- / 2.491	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.491
2.1.3) Lab Equipment - NonOrganic	1 / 3.369	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.369
Subtotal: Recurring	- / 5.860	- / 4.431	- / -	- / 4.591	- / -	- / 4.591	- / 14.024	- / 28.552	- / 24.213	- / -	- / -	- / 81.671
Subtotal: Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)	1 / 12.334	2 / 21.104	- / -	2 / 6.231	- / -	2 / 6.231	6 / 19.033	12 / 38.749	10 / 32.861	- / -	- / -	33 / 130.312
Subtotal: Procurement, All Modification Items	- / 12.334	- / 21.104	- / -	- / 6.231	- / -	- / 6.231	- / 19.033	- / 38.749	- / 32.861	- / -	- / -	- / 130.312
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data ⁽²⁵⁾	- / -	- / 1.300	- / 3.000	- / 5.543	- / -	- / 5.543	- / 2.000	- / -	- / -	- / -	- / -	- / 11.843
3.3) Training Equipment	- / -	- / -	- / 5.463	1 / 4.667	- / -	1 / 4.667	2 / 6.977	- / -	- / -	- / -	- / -	3 / 17.107
3.4) Support Equipment	- / -	- / -	- / 4.542	4 / 4.532	- / -	4 / 4.532	- / 1.000	- / -	- / -	- / -	- / -	4 / 10.074
3.5) ILS ⁽²⁶⁾	- / -	- / 1.087	- / 3.020	- / 4.806	- / -	- / 4.806	- / -	- / -	- / -	- / -	- / -	- / 8.913
3.6) Other Support ⁽²⁷⁾	- / 9.431	- / 7.517	- / 7.753	- / 7.800	- / -	- / 7.800	- / 3.606	- / 3.670	- / 4.357	- / 4.622	- / -	- / 48.756
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 9.431	- / 9.904	- / 23.778	- / 27.348	- / -	- / 27.348	- / 13.583	- / 3.670	- / 4.357	- / 4.622	- / -	- / 96.693
Installation												
Modification Item 1 of 1: Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)	- / 0.000	- / 2.208	- / -	- / -	- / -	- / -	- / 4.603	- / 11.743	- / 13.838	- / 11.742	- / -	- / 44.134
Subtotal: Installation	- / 0.000	- / 2.208	- / -	- / -	- / -	- / -	- / 4.603	- / 11.743	- / 13.838	- / 11.742	- / -	- / 44.134

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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: [No Modification Type Specified]					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)	21.765	33.216	23.778	33.579	-	33.579	37.219	54.162	51.056	16.364	-	271.139	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: MR-TCDL LAB / L-3 West							Manufacturer Location: >Salt Lake City, UT					
Administrative Leadtime (<i>in Months</i>): 0							Production Leadtime (<i>in Months</i>): 30					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Oct 2012											
Delivery Dates	Mar 2013											
Manufacturer Name: MR-TCDL NRE Kit / Northrop Grumman Systems Corp							Manufacturer Location: >San Diego, CA					
Administrative Leadtime (<i>in Months</i>): 6							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Mar 2013											
Delivery Dates	Mar 2014											
Manufacturer Name: MR-TCDL Production Kit / TBD							Manufacturer Location: >TBD					
Administrative Leadtime (<i>in Months</i>): 8							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			May 2015	Nov 2015	Nov 2016	Nov 2017						
Delivery Dates			May 2016	Nov 2016	Nov 2017	Nov 2018						
Installation Information												
Method of Implementation: Drive In : Installation Name: MR-TCDL Kit												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / -	- / -	- / -	- / -	1 / 2.226	3 / 6.869	6 / 13.838	5 / 11.742	- / -	16 / 34.675

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Drive In : Installation Name: MR-TCDL Kit

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 2.208	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.208

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Drive In : Installation Name: Training Equipment

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.377	- / -	- / -	- / -	- / -	1 / 2.377
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.874	- / -	- / -	- / -	2 / 4.874
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.377	2 / 4.874	- / -	- / -	- / -	3 / 7.251

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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

Method of Implementation (Organic): Not Installed - Support Equipment

Installation Quantity: 4

Footnotes:

(25) Data cost in FY15 is for Data management of MR-TCDL effort to support a installation contract award in FY16.

(26) ILS cost in FY14 and FY15 is to support the ILS systems integration of the MR-TCDL program.

(27) Other Support cost in FY14 is to support non-recurring. Other Support cost in FY18-FY19 is to support the continued MR-TCDL kit buys and installations.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	5.129	10.322	7.969	-	7.969	20.567	28.656	25.142	14.428	-	112.213
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	5.129	10.322	7.969	-	7.969	20.567	28.656	25.142	14.428	-	112.213
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	5.129	10.322	7.969	-	7.969	20.567	28.656	25.142	14.428	-	112.213

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy								Date: March 2014					
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: [No Modification Type Specified]				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	2 / 3.112	5 / 7.920	6 / 9.672	2 / 3.282	- / -	- / -	15 / 23.986	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 3.112	- / -	- / 3.112	- / 7.920	- / 9.672	- / 3.282	- / -	- / -	- / 23.986	
Non-Recurring													
1.2.1) Installation Kits N/R - NonOrganic ⁽²⁸⁾	- / -	- / 2.003	- / 4.081	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.084	
Subtotal: Non-Recurring	- / 0.000	- / 2.003	- / 4.081	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.084	
B Kits													
Recurring													
2.1.1) APU Equipment - Organic ⁽²⁹⁾	- / -	1 / 0.769	2 / 1.543	2 / 1.570	- / -	2 / 1.570	5 / 3.995	5 / 4.065	- / -	- / -	- / -	15 / 11.942	
Subtotal: Recurring	- / 0.000	- / 0.769	- / 1.543	- / 1.570	- / -	- / 1.570	- / 3.995	- / 4.065	- / -	- / -	- / -	- / 11.942	
Subtotal: Auxiliary Power Unit (APU) (OSIP 002-12)	- / -	1 / 2.772	2 / 5.624	4 / 4.682	- / -	4 / 4.682	10 / 11.915	11 / 13.737	2 / 3.282	- / -	- / -	30 / 42.012	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 2.772	- / 5.624	- / 4.682	- / -	- / 4.682	- / 11.915	- / 13.737	- / 3.282	- / -	- / -	- / 42.012	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.656	- / 0.484	- / -	- / -	- / 1.140	
3.2) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.203	- / 0.158	- / -	- / -	- / 0.361	
3.3) Training Equipment	- / -	- / -	1 / 2.324	3 / 0.871	- / -	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	- / -	- / 2.416	- / 2.225	- / 2.265	- / 2.305	- / 2.346	- / -	- / 16.288	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / 2.357	- / 4.698	- / 3.287	- / -	- / 3.287	- / 2.225	- / 3.330	- / 4.634	- / 2.346	- / -	- / 22.877	
Installation													
Modification Item 1 of 1: Auxiliary Power Unit (APU) (OSIP 002-12)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 6.427	- / 11.589	- / 17.226	- / 12.082	- / -	- / 47.324	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 6.427	- / 11.589	- / 17.226	- / 12.082	- / -	- / 47.324	
Total													
Total Cost (Procurement + Support + Installation)	0.000	5.129	10.322	7.969	-	7.969	20.567	28.656	25.142	14.428	-	112.213	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: APU A Kit/TBD													Manufacturer Location: >TBD																		
Administrative Leadtime <i>(in Months)</i> : 8													Production Leadtime <i>(in Months)</i> : 12																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates										May 2015				Mar 2016				Mar 2017				Mar 2018									
Delivery Dates										May 2016				Mar 2017				Mar 2018				Mar 2019									
Installation Information																															
Method of Implementation: Drive In : Installation Name: APU Kit																															
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		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 2013		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2014		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2015		-	/	-	-	/	-	-	/	-	-	/	-	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	-	/	-	-	/	-					
FY 2019		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
To Complete		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
Total		-	/	-	-	/	-	-	/	-	-	/	-	1 / 2.772	4 / 11.284	6 / 17.226	4 / 12.082	-	/	-	-	/	-	15 / 43.364							
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	15
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	1	2	1	2	2	1	1	1	-	15

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Drive In : Installation Name: Training Equipment

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.005	- / -	- / -	- / -	- / -	1 / 3.005
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.650	- / -	- / -	- / -	- / -	3 / 0.650
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.305	- / -	- / -	- / -	1 / 0.305
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.655	1 / 0.305	- / -	- / -	- / -	5 / 3.960

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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:

⁽²⁸⁾ Installation Kits N/R cost in FY14 is to support the kit contract award.

⁽²⁹⁾ 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 2015 Navy		Date: March 2014
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-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	-	-	24.245	-	24.245	22.820	21.679	37.493	7.942	47.891	162.070
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	-	24.245	-	24.245	22.820	21.679	37.493	7.942	47.891	162.070
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	-	-	24.245	-	24.245	22.820	21.679	37.493	7.942	47.891	162.070
(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)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 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 and PNVC Lab Kit buy in FY15 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 and beyond the Future Years Defense Plan (FYDP), with installs in FY18 and beyond FYDP.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV)				
Models of Systems Affected: E-6 Series				Modification Type: [No Modification Type Specified]				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV)													
A Kits													
Recurring													
1.1.1) FAB-T - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.933	3 / 5.904	8 / 16.027	- / -	4 / 8.305	16 / 32.169	
1.1.2) PNVC - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.355	3 / 1.083	8 / 2.940	- / -	4 / 1.523	16 / 5.901	
1.1.3) Lab - FAB-T - NonOrganic	- / -	- / -	- / -	1 / 1.899	- / -	1 / 1.899	- / -	- / -	- / -	- / -	- / -	1 / 1.899	
1.1.4) Lab - PNVC - NonOrganic	- / -	- / -	- / -	1 / 0.348	- / -	1 / 0.348	- / -	- / -	- / -	- / -	- / -	1 / 0.348	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 2.247	- / -	- / 2.247	- / 2.288	- / 6.987	- / 18.967	- / -	- / 9.828	- / 40.317	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽³⁰⁾	- / -	- / -	- / -	- / 15.456	- / -	- / 15.456	- / 11.216	- / -	- / -	- / -	- / -	- / 26.672	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / 15.456	- / -	- / 15.456	- / 11.216	- / -	- / -	- / -	- / -	- / 26.672	
B Kits													
Recurring													
2.1.1) PNVC - Organic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.386	3 / 1.177	8 / 3.196	- / -	4 / 1.656	16 / 6.415	
2.1.2) Lab - PNVC - Organic	- / -	- / -	- / -	1 / 0.358	- / -	1 / 0.358	- / -	- / -	- / -	- / -	- / -	1 / 0.358	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 0.358	- / -	- / 0.358	- / 0.386	- / 1.177	- / 3.196	- / -	- / 1.656	- / 6.773	
Subtotal: Family of Adv Beyond-Line-of-Sight Terminals/ Presidential and National Voice Conferencing (FAB-T/ PNV	- / -	- / -	- / -	3 / 18.061	- / -	3 / 18.061	3 / 13.890	9 / 8.164	24 / 22.163	- / -	12 / 11.484	51 / 73.762	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 18.061	- / -	- / 18.061	- / 13.890	- / 8.164	- / 22.163	- / -	- / 11.484	- / 73.762	
Support (All Modification Items)													
3.1) Engineering Change Order	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / -	- / -	- / -	- / 0.951	- / -	- / 0.951	- / 0.968	- / -	- / -	- / -	- / -	- / 1.919	
3.3) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.376	1 / 2.530	- / -	1 / 4.588	3 / 12.494	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / -	- / -	- / -	- / 1.233	- / -	- / 1.233	- / 1.255	- / 1.278	- / -	- / -	- / -	- / 3.766	
3.6) Other Support ⁽³¹⁾	- / -	- / -	- / -	- / 4.000	- / -	- / 4.000	- / 4.910	- / 4.998	- / 4.009	- / 4.081	- / 8.000	- / 29.998	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / -	- / 6.184	- / -	- / 6.184	- / 7.133	- / 11.652	- / 6.539	- / 4.081	- / 12.588	- / 48.177	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV)			
Models of Systems Affected: E-6 Series					Modification Type: [No Modification Type Specified]					Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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> Family of Adv Beyond-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.797	- / 1.863	- / 8.791	- / 3.861	- / 23.819	- / 40.131	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.797	- / 1.863	- / 8.791	- / 3.861	- / 23.819	- / 40.131	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	24.245	-	24.245	22.820	21.679	37.493	7.942	47.891	162.070	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV)

Modification Item 1 of 1: Family of Adv Beyond-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: FAB-T & PNVC Lab Kit/TBD				Manufacturer Location: >TBD			
Administrative Leadtime (in Months): 9				Production Leadtime (in Months): 9			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			Jun 2015				
Delivery Dates			Mar 2016				
Manufacturer Name: FAB-T & PNVC PROD Kit/TBD				Manufacturer Location: >TBD			
Administrative Leadtime (in Months): 8				Production Leadtime (in Months): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates				May 2016	May 2017	Nov 2017	
Delivery Dates				May 2017	May 2018	Nov 2018	
Manufacturer Name: FAB-T & PNVC Training Equipment/TBD ⁽³²⁾				Manufacturer Location: >TBD			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates					Jan 2017	Nov 2017	
Delivery Dates					Jan 2018	Mar 2018	

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: FAB-T & PNVC

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.863	- / -	- / -	- / -	2 / 1.863
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 5.689	- / -	- / -	6 / 5.689
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.861	12 / 11.791	16 / 15.652
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 10.573	8 / 10.573

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV)

Modification Item 1 of 1: Family of Adv Beyond-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: FAB-T & PNVC

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.863	6 / 5.689	4 / 3.861	20 / 22.364	32 / 33.777

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	4	-	-	-	20	32	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	4	4	-	-	20	32	

Method of Implementation: Field Mod Team : Installation Name: FAB-T & PNVC Lab

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.797	- / -	- / -	- / -	- / -	2 / 1.797
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.797	- / -	- / -	- / -	- / -	2 / 1.797

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV									

Modification Item 1 of 1: Family of Adv Beyond-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Field Mod Team : Installation Name: FAB-T & PNVC Lab

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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: Drive In : Installation Name: Training Equipment

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.404	- / -	- / -	1 / 1.404
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.698	- / -	- / -	1 / 1.698
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.455	1 / 1.455
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.102	- / -	1 / 1.455	3 / 4.557

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1	3

Method of Implementation (Organic): Organic - PNVC

Installation Quantity: 16

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV
Modification Item 1 of 1: Family of Adv Beyond-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNV		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - Lab - PNVC		Installation Quantity: 1
Footnotes: ⁽³⁰⁾ Installation Kits N/R in FY15 is to support lab production in FY15 and aircraft kit production beginning in FY16. ⁽³¹⁾ Other Support cost in FY16 is to support non-recurring, production and installation. ⁽³²⁾ Administrative and Production Leadtimes vary for FY17 and FY18 training equipment.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.003	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.003	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	27 / 11.943	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 11.943	
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support	- / 2.355	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.355	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 14.301	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.301	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	14.301	-	-	-	-	-	-	-	-	-	-	14.301	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy	Date: March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	520.243	41.610	80.537	71.328	-	71.328	76.878	71.478	63.945	63.167	28.418	1,017.604
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	520.243	41.610	80.537	71.328	-	71.328	76.878	71.478	63.945	63.167	28.418	1,017.604
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	520.243	41.610	80.537	71.328	-	71.328	76.878	71.478	63.945	63.167	28.418	1,017.604
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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. 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 an upgrade to all-glass instrumentation. The overall goals of the modifications budgeted in FY 2015 are to continue procurement efforts in accordance with the procurement strategy to maintain the VH-3D and VH-60N until the VXX Replacement Helicopter becomes fully operationally capable.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / VH-60N COCKPIT UPGRADE (OSIP 009-02)	P-3a		-	-	149.651	-	-	7.553	-	-	7.631	-	-	4.200	-	-	-	-	-	4.200
P-3a - 2 / VH COMM UPGRADE (OSIP 014-02)	P-3a		-	-	80.993	-	-	5.144	-	-	3.562	-	-	0.200	-	-	-	-	-	0.200
P-3a - 3 / VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)	P-3a		-	-	13.305	-	-	3.662	-	-	6.234	-	-	20.194	-	-	-	-	-	20.194

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014

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		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 4 / OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)	P-3a		-	-	32.226	-	-	10.830	-	-	28.381	-	-	41.984	-	-	-	-	-	41.984
P-3a - 5 / VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11)	P-3a		-	-	27.393	-	-	9.052	-	-	13.928	-	-	0.500	-	-	-	-	-	0.500
P-3a - 6 / VH-3D COCKPIT UPGRADE (OSIP 010-12)	P-3a		-	-	12.252	-	-	5.369	-	-	20.801	-	-	4.250	-	-	-	-	-	4.250
P-3a - 7 / Inactive OSIPs	P-3a		-	-	204.423	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	520.243	-	-	41.610	-	-	80.537	-	-	71.328	-	-	-	-	-	71.328

Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / VH-60N COCKPIT UPGRADE (OSIP 009-02)	P-3a		-	-	1.114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170.149
P-3a - 2 / VH COMM UPGRADE (OSIP 014-02)	P-3a		-	-	14.201	-	-	22.523	-	-	15.027	-	-	13.500	-	-	1.900	-	-	157.050
P-3a - 3 / VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)	P-3a		-	-	21.074	-	-	18.219	-	-	11.440	-	-	1.647	-	-	0.300	-	-	96.075
P-3a - 4 / OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)	P-3a		-	-	24.993	-	-	15.150	-	-	14.879	-	-	7.132	-	-	0.500	-	-	176.075
P-3a - 5 / VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.873
P-3a - 6 / VH-3D COCKPIT UPGRADE (OSIP 010-12)	P-3a		-	-	15.496	-	-	15.586	-	-	22.599	-	-	40.888	-	-	25.718	-	-	162.959
P-3a - 7 / Inactive OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	204.423
Total Gross/Weapon System Cost			-	-	76.878	-	-	71.478	-	-	63.945	-	-	63.167	-	-	28.418	-	-	1,017.604

*For the P-3a, Title represents the Modification Number / Title.

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

Justification:

Changes from FY14 to FY15 are directly related to the reprogramming of funds to support the unplanned requirements associated with keeping the existing fleet of Presidential VH-3's and VH-60's safely operating beyond their originally planned service life until replaced by VXX. Requirements include obsolescence issues and safety improvements such as weight reduction efforts, incorporation of a crash worthy cabin seat and structural improvements that are addressed via the Service Life Enhancement Program (SLEP).

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	149.651	7.553	7.631	4.200	-	4.200	1.114	-	-	-	-	170.149
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	149.651	7.553	7.631	4.200	-	4.200	1.114	-	-	-	-	170.149
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	149.651	7.553	7.631	4.200	-	4.200	1.114	-	-	-	-	170.149
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 will 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, Communication, Navigation and Surveillance/ Air Traffic Management, and GPS Non-precision approach (Required Navigation Performance/Required Navigation). In FY14, FY15 and FY16, funding will implement a new Integrated Standby Instrument System (ISIS).

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. Preplanned Product Improvement efforts began in FY 2009 and will finish in FY 2014.

Notes:

1. The VH-60N Standby Instruments will be installed at O-level.
2. Installs must follow Special Progressive Aircraft Rework schedule.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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-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 / 0.400	4 / 0.408	- / -	- / -	- / -	- / -	8 / 0.808
Subtotal: Recurring	- / 8.371	- / -	- / -	- / 0.400	- / -	- / 0.400	- / 0.408	- / -	- / -	- / -	- / -	- / 9.179
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / 33.932	- / 0.099	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 34.531
Subtotal: Non-Recurring	- / 33.932	- / 0.099	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 34.531
B Kits												
Recurring												
2.1.1) Production Equip - Organic	- / 12.680	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.680
2.1.2) VH-60N Standby Instruments - Organic	- / -	- / -	- / -	4 / 0.300	- / -	4 / 0.300	4 / 0.306	- / -	- / -	- / -	- / -	8 / 0.606
Subtotal: Recurring	- / 12.680	- / -	- / -	- / 0.300	- / -	- / 0.300	- / 0.306	- / -	- / -	- / -	- / -	- / 13.286
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic	- / 21.793	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.293
Subtotal: Non-Recurring	- / 21.793	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.293
Subtotal: VH-60N COCKPIT UPGRADE (OSIP 009-02)	8 / 76.776	- / 0.099	- / 1.000	8 / 0.700	- / -	8 / 0.700	8 / 0.714	- / -	- / -	- / -	- / -	24 / 79.289
Subtotal: Procurement, All Modification Items	- / 76.776	- / 0.099	- / 1.000	- / 0.700	- / -	- / 0.700	- / 0.714	- / -	- / -	- / -	- / -	- / 79.289
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	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / 4.544
3.4) Training Equipment	- / 4.337	- / 0.763	- / 0.500	- / 0.500	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / 6.100
3.5) Support Equipment	- / 1.052	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.052
3.6) ILS	- / 0.556	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.556
3.7) Other Support ⁽²⁾	- / 37.070	- / 4.678	- / 4.100	- / 2.500	- / -	- / 2.500	- / 0.400	- / -	- / -	- / -	- / -	- / 48.748
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 58.717	- / 5.441	- / 4.600	- / 3.500	- / -	- / 3.500	- / 0.400	- / -	- / -	- / -	- / -	- / 72.658
Installation												

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																							
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)																																	
Modification Item MDAP/MAIS Code:																																	
Manufacturer Information																																	
Manufacturer Name: Sikorsky Aircraft Corporation															Manufacturer Location: >Stratford, CT																		
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 13																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019							
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 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total										
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 / 14.158		1 / 2.013		1 / 2.031		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 18.202									
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
Total		6 / 14.158		1 / 2.013		1 / 2.031		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 18.202									
Installation Schedule																																	
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8		
Out	5	-	-	1	-	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 2015 Navy		Date: March 2014
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.

(2) Additional funding was added in FY14 and FY15 to implement a new Integrated Standby Instrument System (ISIS). The funding in FY14 completed the Preplanned Product Improvement, as well as supported ISIS testing. The funding in FY15 will support ISIS testing as well as field activity support for fielding ISIS.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	80.993	5.144	3.562	0.200	-	0.200	14.201	22.523	15.027	13.500	1.900	157.050
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	80.993	5.144	3.562	0.200	-	0.200	14.201	22.523	15.027	13.500	1.900	157.050
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	80.993	5.144	3.562	0.200	-	0.200	14.201	22.523	15.027	13.500	1.900	157.050
(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)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 were 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 required the incorporation of two DAMA capable radios in each aircraft to satisfy the need for full duplex communication. An install kit was built to house the radio, amplifier, and aircraft interface module, and then it will be installed in the aircraft as one unit. WHCA 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) were completed to fully utilize all ALE capabilities of the current HF radio. OFP software was 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. A Wideband Line of Sight (WBLoS) system has been mandated and funded by the Department of Defense Chief Information Officer. A new radio, antenna, associated accessories, and aircraft integration will be required for this effort and will begin in FY 2016.

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 and will complete in 2015. 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 and continues through FY 2015. 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).

Notes:

1. VH-3D/VH-60N Communication Upgrade NRE for B kits includes two (2) test aircraft and five (5) lab assets.
2. FY15 Other Support includes additional Vinson ANDVT Crypto Modernization (VACM) and Electro Magnetic testing (E3) support which is part of Crypto.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 / 3.057	3 / 1.867	3 / 1.901	- / -	11 / 6.825	
1.1.4) VH-60 Communication Upgrade (WBLoS) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.833	3 / 1.867	2 / 1.268	- / -	8 / 4.968	
Subtotal: Recurring	- / 4.699	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.890	- / 3.734	- / 3.169	- / -	- / 16.492	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 12.471	- / -	- / -	- / -	- / -	- / -	- / 5.300	- / 1.300	- / -	- / -	- / -	- / 19.071	
Subtotal: Non-Recurring	- / 12.471	- / -	- / -	- / -	- / -	- / -	- / 5.300	- / 1.300	- / -	- / -	- / -	- / 19.071	
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 / 2.598	3 / 2.647	- / -	11 / 9.495	
2.1.4) VH-60N Communications Equipment Upgrade (WBLoS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.550	3 / 2.598	2 / 1.765	- / -	8 / 6.913	
Subtotal: Recurring	- / 20.015	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.800	- / 5.196	- / 4.412	- / -	- / 36.423	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽⁴⁾	- / 7.064	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 5.800	- / 1.323	- / -	- / -	- / -	- / 14.387	
Subtotal: Non-Recurring	- / 7.064	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 5.800	- / 1.323	- / -	- / -	- / -	- / 14.387	
Subtotal: VH COMM UPGRADE (OSIP 014-02)	234 / 44.249	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 11.100	16 / 14.313	12 / 8.930	10 / 7.581	- / -	272 / 86.373	
Subtotal: Procurement, All Modification Items	- / 44.249	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 11.100	- / 14.313	- / 8.930	- / 7.581	- / -	- / 86.373	
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	- / 6.645	- / 0.360	- / 0.350	- / -	- / -	- / -	- / 0.250	- / 0.800	- / 0.600	- / 0.025	- / -	- / 9.030	
3.4) Training Equipment	- / 0.694	- / 0.510	- / 0.500	- / -	- / -	- / -	- / -	- / 0.600	- / 0.600	- / 0.100	- / -	- / 3.004	
3.5) Support Equipment	- / 2.675	- / 0.584	- / 0.300	- / -	- / -	- / -	- / 0.200	- / 0.280	- / 0.025	- / 0.025	- / -	- / 4.089	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.7) Other Support	- / 24.154	- / 3.058	- / 1.773	- / -	- / -	- / -	- / 2.651	- / 3.330	- / 2.426	- / 3.692	- / 1.900	- / 42.984	
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 36.744	- / 4.512	- / 2.923	- / -	- / -	- / -	- / 3.101	- / 5.010	- / 3.651	- / 3.842	- / 1.900	- / 61.683	
Installation													
Modification Item 1 of 1: VH COMM UPGRADE (OSIP 014-02)	- / 0.000	- / 0.632	- / 0.639	- / -	- / -	- / -	- / -	- / 3.200	- / 2.446	- / 2.077	- / -	- / 8.994	
Subtotal: Installation	- / 0.000	- / 0.632	- / 0.639	- / -	- / -	- / -	- / -	- / 3.200	- / 2.446	- / 2.077	- / -	- / 8.994	
Total													
Total Cost (Procurement + Support + Installation)	80.993	5.144	3.562	0.200	-	0.200	14.201	22.523	15.027	13.500	1.900	157.050	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Sikorsky Aircraft Corp - Crypto ARC 210 VH-3D							Manufacturer Location: >Stratford, CT					
Administrative Leadtime (<i>in Months</i>): 9							Production Leadtime (<i>in Months</i>): 10					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Manufacturer Name: Sikorsky Aircraft Corp - VH-3D Communications Upgrade (WBLoS)							Manufacturer Location: >Stratford, CT					
Administrative Leadtime (<i>in Months</i>): 5							Production Leadtime (<i>in Months</i>): 4					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
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 (<i>in Months</i>): 5							Production Leadtime (<i>in Months</i>): 4					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (<i>Each</i>) / Total Cost (\$ M)	Qty (<i>Each</i>) / Total Cost (\$ M)	Qty (<i>Each</i>) / Total Cost (\$ M)	Qty (<i>Each</i>) / Total Cost (\$ M)	Qty (<i>Each</i>) / Total Cost (\$ M)	Qty (<i>Each</i>) / Total Cost (\$ M)	Qty (<i>Each</i>) / Total Cost (\$ M)	Qty (<i>Each</i>) / Total Cost (\$ M)	Qty (<i>Each</i>) / Total Cost (\$ M)	Qty (<i>Each</i>) / Total Cost (\$ M)	Qty (<i>Each</i>) / Total Cost (\$ M)	Qty (<i>Each</i>) / Total Cost (\$ M)
Prior Years	- / -	6 / 0.632	5 / 0.639	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.271
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	6 / 0.632	5 / 0.639	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.271

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Exhibit P-3a, Individual Modification: PB 2015 Navy																								Date: March 2014							
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)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: [none specified] : Installation Name: Crypto - ARC-210 VH-3D																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
In	-	-	-	3	3	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Out	-	-	-	3	3	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Method of Implementation: Contractor Field Mod - Team : Installation Name: VH-3D Communication Upgrade (WBLoS)																															
Installation Cost						Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total														
						Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -														
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														
To Complete						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -														
Total						- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.000	3 / 1.223	3 / 1.246	- / -	11 / 4.469														
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total														
						Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: VH-60 Communication Upgrade (WBLoS)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.200	- / -	- / -	- / -	3 / 1.200
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.223	- / -	- / -	3 / 1.223
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.831	- / -	2 / 0.831
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.200	3 / 1.223	2 / 0.831	- / -	8 / 3.254

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 with the exception of Crypto ARC-210 VH-3D, which will be installed within HMX-1 by a field mod team due to cost and schedule. FY14 Crypto ARC-210 VH-3D install costs increased due to a slip in schedule due to aircraft availability.

⁽⁴⁾ FY15 NRE includes Vinson ANDVT Crypto Moderization (VACM) and Electro Magnetic Testing (E3) support which is part of Crypto.

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Exhibit P-3a, Individual Modification: PB 2015 Navy			Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	13.305	3.662	6.234	20.194	-	20.194	21.074	18.219	11.440	1.647	0.300	96.075
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	13.305	3.662	6.234	20.194	-	20.194	21.074	18.219	11.440	1.647	0.300	96.075
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	13.305	3.662	6.234	20.194	-	20.194	21.074	18.219	11.440	1.647	0.300	96.075
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 2014.

Notes:

1. VH-3D Fuel System Upgrade A & B kit quantity includes one (1) kit for the NVH test aircraft.
2. Installs must follow Special Progressive Aircraft Rework (SPAR) schedule.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽⁵⁾	- / -	1 / 0.159	1 / 0.161	2 / 0.328	- / -	2 / 0.328	2 / 0.334	2 / 0.339	- / -	- / -	- / -	8 / 1.321
1.1.2) VH-3D SLEP Kits - NonOrganic	- / -	2 / 0.529	2 / 0.538	4 / 1.096	- / -	4 / 1.096	3 / 0.838	- / -	- / -	- / -	- / -	11 / 3.001
1.1.3) VH-3D Fuel Upgrade Kits - NonOrganic ⁽⁶⁾	- / -	- / -	- / -	3 / 0.300	- / -	3 / 0.300	3 / 0.306	3 / 0.312	3 / 0.318	- / -	- / -	12 / 1.236
Subtotal: Recurring	- / 0.000	- / 0.688	- / 0.699	- / 1.724	- / -	- / 1.724	- / 1.478	- / 0.651	- / 0.318	- / -	- / -	- / 5.558
Non-Recurring												
1.2.1) Installation Kits N/R - Organic ⁽⁷⁾	- / 6.608	- / 0.500	- / 0.450	- / 0.085	- / -	- / 0.085	- / 0.085	- / -	- / -	- / -	- / -	- / 7.728
Subtotal: Non-Recurring	- / 6.608	- / 0.500	- / 0.450	- / 0.085	- / -	- / 0.085	- / 0.085	- / -	- / -	- / -	- / -	- / 7.728
B Kits												
Recurring												
2.1.1) VH-3D Fuel Upgrade Equipment - Organic	- / -	- / -	- / -	3 / 2.100	- / -	3 / 2.100	3 / 2.140	3 / 2.181	3 / 2.222	- / -	- / -	12 / 8.643
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 2.100	- / -	- / 2.100	- / 2.140	- / 2.181	- / 2.222	- / -	- / -	- / 8.643
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic ⁽⁸⁾	- / -	- / 0.800	- / 0.550	- / 0.115	- / -	- / 0.115	- / 0.115	- / -	- / -	- / -	- / -	- / 1.580
Subtotal: Non-Recurring	- / 0.000	- / 0.800	- / 0.550	- / 0.115	- / -	- / 0.115	- / 0.115	- / -	- / -	- / -	- / -	- / 1.580
Subtotal: VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)	- / 6.608	3 / 1.988	3 / 1.699	12 / 4.024	- / -	12 / 4.024	11 / 3.818	8 / 2.832	6 / 2.540	- / -	- / -	43 / 23.509
Subtotal: Procurement, All Modification Items	- / 6.608	- / 1.988	- / 1.699	- / 4.024	- / -	- / 4.024	- / 3.818	- / 2.832	- / 2.540	- / -	- / -	- / 23.509
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 ⁽⁹⁾	- / -	- / 0.100	- / 0.448	- / 0.855	- / -	- / 0.855	- / -	- / -	- / -	- / -	- / -	- / 1.403
3.6) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.7) Other Support ⁽¹⁰⁾	- / 6.697	- / 1.574	- / 2.087	- / 5.125	- / -	- / 5.125	- / 4.000	- / 3.990	- / 3.756	- / 0.800	- / 0.300	- / 28.329
Subtotal: Support	- / 6.697	- / 1.674	- / 2.535	- / 5.980	- / -	- / 5.980	- / 4.000	- / 3.990	- / 3.756	- / 0.800	- / 0.300	- / 29.732

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)	- / 0.000	- / -	- / 2.000	- / 10.190	- / -	- / 10.190	- / 13.256	- / 11.397	- / 5.144	- / 0.847	- / -	- / 42.834
Subtotal: Installation	- / 0.000	- / -	- / 2.000	- / 10.190	- / -	- / 10.190	- / 13.256	- / 11.397	- / 5.144	- / 0.847	- / -	- / 42.834
Total												
Total Cost (Procurement + Support + Installation)	13.305	3.662	6.234	20.194	-	20.194	21.074	18.219	11.440	1.647	0.300	96.075

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Sikorsky Aircraft Corporation - VH Service Life Extension Program VH-60N ⁽¹¹⁾	Manufacturer Location: >Stratford, CT
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 13

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016		
Delivery Dates	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018		

Manufacturer Name: Sikorsky Aircraft Corp - VH3D Fuel Upgrade Kit ⁽¹²⁾	Manufacturer Location: >Stratford, CT
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 13

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 ⁽¹³⁾	Manufacturer Location: >Stratford, CT
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 21

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jan 2013	Jan 2014	Jan 2015	Jan 2016			
Delivery Dates	Oct 2014	Oct 2015	Oct 2016	Oct 2017			

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: VH-60N SLEP Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	1 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.000
FY 2014	- / -	- / -	- / -	1 / 2.038	- / -	1 / 2.038	- / -	- / -	- / -	- / -	- / -	1 / 2.038
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.152	- / -	- / -	- / -	- / -	2 / 4.152
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.232	- / -	- / -	- / -	2 / 4.232
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.312	- / -	- / -	2 / 4.312
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: VH-60N SLEP Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	1 / 2.000	1 / 2.038	- / -	1 / 2.038	2 / 4.152	2 / 4.232	2 / 4.312	- / -	- / -	8 / 16.734

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	8
Out	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	-	8

Method of Implementation: Contractor Field Mod Team : Installation Name: VH-3D SLEP Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	2 / 4.076	- / -	2 / 4.076	- / -	- / -	- / -	- / -	- / -	2 / 4.076
FY 2014	- / -	- / -	- / -	2 / 4.076	- / -	2 / 4.076	- / -	- / -	- / -	- / -	- / -	2 / 4.076
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	4 / 8.304	- / -	- / -	- / -	- / -	4 / 8.304
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.349	- / -	- / -	- / -	3 / 6.349
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	4 / 8.152	- / -	4 / 8.152	4 / 8.304	3 / 6.349	- / -	- / -	- / -	11 / 22.805

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	2	-	-	-	-	-	-	-	-	-	11
Out	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	2	-	1	-	2	-	-	-	-	-	-	11

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.800	3 / 0.816	3 / 0.832	3 / 0.847	- / -	12 / 3.295

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	3	12

Method of Implementation (Organic): Organic - VH-3D Fuel Upgrade Equipment

Installation Quantity: 12

Footnotes:

(5) Installs must follow SPAR schedule.

(6) VH-3D Fuel System Upgrade A & B kit quantity includes one (1) kit for the NVH test aircraft. Installs must follow SPAR schedule.

(7) VH-3D Fuel Systems Upgrade A Kit NRE. Funded across FY14 and FY15.

(8) VH-3D Fuel Systems Upgrade B Kit NRE. Funded across FY14 and FY15.

(9) 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.

(10) 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.

(11) Installs must follow SPAR schedule.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
(12) Installs must follow SPAR schedule. (13) Installs must follow SPAR schedule.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	32.226	10.830	28.381	41.984	-	41.984	24.993	15.150	14.879	7.132	0.500	176.075
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	32.226	10.830	28.381	41.984	-	41.984	24.993	15.150	14.879	7.132	0.500	176.075
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	32.226	10.830	28.381	41.984	-	41.984	24.993	15.150	14.879	7.132	0.500	176.075
<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>	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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. Engine B-Kit quantity includes additional end items, which will not be part of initial installation.
2. Avionics kits will be installed at the O level.
3. VH Cabin Interior Redesign modifications include the VH-3D.
4. VH-3D Cabin Interior Redesign A kit costs increased during contractor proposal development.
5. VH-3D Cabin Interior Redesign A kit in FY14 is the validation/verification kit.
6. Due to budget constraints, VH-3D Engines, Performance Upgrade, VH-60N Cabin Interior Redesign and associated installs have been removed from FY15.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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													
Modification Item 1 of 1: OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)													
A Kits													
Recurring													
1.1.1) Engines Kit- VH-60N - NonOrganic	- / -	5 / 0.393	3 / 0.236	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.629
1.1.2) Avionics Kit - Organic ⁽¹⁴⁾	- / -	- / -	- / -	2 / 1.600	- / -	2 / 1.600	2 / 1.630	1 / 0.830	- / -	- / -	- / -	- / -	5 / 4.060
1.1.3) VH-3D Cabin Interior Redesign Kit - NonOrganic ⁽¹⁵⁾	- / -	- / -	1 / 0.450	- / -	- / -	- / -	3 / 1.403	3 / 1.430	3 / 1.457	1 / 0.495	- / -	- / -	11 / 5.235
1.1.4) VH-3D VIP Seat Upgrade - NonOrganic ⁽¹⁶⁾	- / -	- / -	- / -	11 / 0.660	- / -	11 / 0.660	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.660
Subtotal: Recurring	- / 0.000	- / 0.393	- / 0.686	- / 2.260	- / -	- / 2.260	- / 3.033	- / 2.260	- / 1.457	- / 0.495	- / -	- / -	- / 10.584
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽¹⁷⁾	- / 7.538	- / 1.119	- / 2.000	- / 8.788	- / -	- / 8.788	- / 3.129	- / -	- / -	- / -	- / -	- / -	- / 22.574
Subtotal: Non-Recurring	- / 7.538	- / 1.119	- / 2.000	- / 8.788	- / -	- / 8.788	- / 3.129	- / -	- / -	- / -	- / -	- / -	- / 22.574
B Kits													
Recurring													
2.1.1) Engines Conversion Equip - VH-60N - Organic ⁽¹⁸⁾	18 / 5.697	6 / 1.956	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 7.653
2.1.2) Enhanced Digital Engine Control Unit - Organic	18 / 0.366	9 / 0.183	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 0.549
2.1.3) Avionics Equip - Organic ⁽¹⁹⁾	- / -	- / -	- / -	2 / 1.000	- / -	2 / 1.000	2 / 1.019	1 / 0.518	- / -	- / -	- / -	- / -	5 / 2.537
2.1.4) VH-3D Cabin Interior Redesign Equipment - Organic	- / -	- / -	1 / 0.350	- / -	- / -	- / -	3 / 1.090	3 / 1.111	3 / 1.132	1 / 0.384	- / -	- / -	11 / 4.067
Subtotal: Recurring	- / 6.063	- / 2.139	- / 0.350	- / 1.000	- / -	- / 1.000	- / 2.109	- / 1.629	- / 1.132	- / 0.384	- / -	- / -	- / 14.806
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽²⁰⁾	- / 0.250	- / 0.800	- / 13.100	- / 11.192	- / -	- / 11.192	- / 2.307	- / -	- / -	- / -	- / -	- / -	- / 27.649
Subtotal: Non-Recurring	- / 0.250	- / 0.800	- / 13.100	- / 11.192	- / -	- / 11.192	- / 2.307	- / -	- / -	- / -	- / -	- / -	- / 27.649
Subtotal: OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)	36 / 13.851	20 / 4.451	5 / 16.136	15 / 23.240	- / -	15 / 23.240	10 / 10.578	8 / 3.889	6 / 2.589	2 / 0.879	- / -	- / -	102 / 75.613
Subtotal: Procurement, All Modification Items	- / 13.851	- / 4.451	- / 16.136	- / 23.240	- / -	- / 23.240	- / 10.578	- / 3.889	- / 2.589	- / 0.879	- / -	- / -	- / 75.613
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

LI 0566 - Executive Helicopters Series
Navy

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Sikorsky Aircraft Corp							Manufacturer Location: >Stratford, CT- Engines VH-60N					
Administrative Leadtime (in Months): 9							Production Leadtime (in Months): 5					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Jun 2013	Jun 2014										
Delivery Dates	Nov 2013	Nov 2014										
Manufacturer Name: Sikorsky Aircraft Corp ⁽²⁴⁾							Manufacturer Location: >Stratford, CT - VH-3D Cabin Interior					
Administrative Leadtime (in Months): 3							Production Leadtime (in Months): 3					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Dec 2013		Dec 2015	Dec 2016	Dec 2017	Dec 2018					
Delivery Dates		Mar 2015		Mar 2016	Mar 2017	Mar 2018	Mar 2019					
Manufacturer Name: Sikorsky Aircraft Corp							Manufacturer Location: >Stratford, CT - VH-3D VIP Seats					
Administrative Leadtime (in Months): 4							Production Leadtime (in Months): 5					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Jan 2015									
Delivery Dates			Jun 2015									
Installation Information												
Method of Implementation: Installation of VH-60N Engines - Contractor Mod Team : Installation Name: Engines Kit- VH-60N												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	5 / 1.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.600
FY 2014	- / -	- / -	- / -	3 / 1.548	- / -	3 / 1.548	- / -	- / -	- / -	- / -	- / -	3 / 1.548
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	5 / 1.600	3 / 1.548	- / -	3 / 1.548	- / -	- / -	- / -	- / -	- / -	8 / 3.148

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Installation of VH-60N Engines - Contractor Mod Team : Installation Name: Engines Kit- VH-60N

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Out	-	-	-	-	-	-	1	1	2	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8

Method of Implementation: Installation of VH-3D Cabin Interior Redesign Mod : Installation Name: VH-3D Cabin Interior Redesign

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	1 / 1.550	- / -	1 / 1.550	- / -	- / -	- / -	- / -	- / -	1 / 1.550
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.738	- / -	- / -	- / -	- / -	3 / 4.738
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.828	- / -	- / -	- / -	3 / 4.828
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.920	- / -	- / -	3 / 4.920
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.671	- / -	1 / 1.671
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 1.550	- / -	1 / 1.550	3 / 4.738	3 / 4.828	3 / 4.920	1 / 1.671	- / -	11 / 17.707

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	11
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1	-	1	1	1	-	1	1	1	-	1	11

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Installation of the VH-3D VIP Seats - Contractor Field Mod Team : Installation Name: VH-3D VIP Seat

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	5 / 0.525	- / -	5 / 0.525	6 / 0.642	- / -	- / -	- / -	- / -	11 / 1.167
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	5 / 0.525	- / -	5 / 0.525	6 / 0.642	- / -	- / -	- / -	- / -	11 / 1.167

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11

Method of Implementation (Organic): Organic - Avionics Kit	Installation Quantity: 5
Method of Implementation (Organic): Organic - Engines Conversion Equip - VH-60N	Installation Quantity: 24
Method of Implementation (Organic): Organic - Enhanced Digital Engine Control Unit	Installation Quantity: 27
Method of Implementation (Organic): Organic - Avionics Equip	Installation Quantity: 5
Method of Implementation (Organic): Organic - VH-3D Cabin Interior Redesign Equipment	Installation Quantity: 11

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Footnotes:

- ⁽¹⁴⁾ Risk reduction for obsolescence on avionics equipment. Avionics kits will be installed at the O level.
- ⁽¹⁵⁾ VH-3D Cabin Interior Redesign A kit costs increased during contractor proposal development. VH-3D Cabin Interior Redesign A kit in FY14 is the validation/verification kit.
- ⁽¹⁶⁾ In FY15, the VH-3D VIP Seat Upgrades include the seat and airframe attachment plate and will be permanently installed.
- ⁽¹⁷⁾ Increased due to cancellation of VH-71 and 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 VXX. FY14 NRE was reduced by \$5M due to Congressional Mark. FY14 and FY15 NRE funds Cabin Interior which includes val/ver and tooling.
- ⁽¹⁸⁾ Engine B-Kit quantity includes additional end items, which will not be part of initial installation.
- ⁽¹⁹⁾ Risk reduction for obsolescence on avionics equipment.
- ⁽²⁰⁾ FY14 Install Equipment NRE increased due to cancellation of VH-71 and leadership investment in In Service capabilities (Cabin interior, 401C) to reduce risk related to obsolescence associated with In Service platforms.
- ⁽²¹⁾ 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.
- ⁽²²⁾ FY14 and FY15 are unique ILS products interdependent with 401C NRE and VH3D Cabin Interiors NRE lines. FY14 includes Logistics Analysis/Supportability Design Interface for VH 401C. FY15 includes 401C logistics plans/Logistics Management Information (LMI) development and corrections/changes during the mods, and related maintenance task analysis.
- ⁽²³⁾ Increased due to cancellation of VH-71 and leadership investment in In-Service capabilities (Cabin interior, 401C) to reduce risk related to obsolescence associated with In-Service platforms. Labor support of 401C, 400C, VH-3D and VH-60N Cabin Interiors, Other OMP support. Funding levels align to peak execution of NRE, installations and test activities. FY14 Other Support reflects actual support required.
- ⁽²⁴⁾ VH-3D Cabin Interior Redesign A kit in FY14 is the validation/verification kit.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	27.393	9.052	13.928	0.500	-	0.500	-	-	-	-	-	50.873
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	27.393	9.052	13.928	0.500	-	0.500	-	-	-	-	-	50.873
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	27.393	9.052	13.928	0.500	-	0.500	-	-	-	-	-	50.873
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 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.
5. The Other Support in FY15 is to continue to fund government support at the Prototype Integration Facility (PIF) to continue to support the UH-60N Trainer Aircraft efforts until the aircraft is delivered to the fleet in FY15.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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													
1.1.1) UH-3D Conversion Kit - NonOrganic ⁽²⁵⁾	1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	
1.1.2) UH-3D Structural Mod Kit - NonOrganic ⁽²⁶⁾	- / -	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	
1.1.3) UH-60N Conversion Kit - NonOrganic ⁽²⁷⁾	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	
1.1.4) UH-60N Structural Kit - NonOrganic ⁽²⁸⁾	- / -	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 5.598	- / 0.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.298	
Subtotal: Non-Recurring	- / 5.598	- / 0.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.298	
B Kits													
Recurring													
2.1.1) UH-3D Conversion Equip - Organic	1 / 1.486	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.486	
2.1.2) UH-3D Structural Mod Equip - Organic	- / -	- / -	1 / 3.457	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.457	
2.1.3) UH-60N Conversion Equip - Organic	- / -	1 / 0.654	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.654	
2.1.4) UH-60N Structural Equip - Organic	- / -	- / -	1 / 4.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.100	
Subtotal: Recurring	- / 1.486	- / 0.654	- / 7.557	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.697	
Non-Recurring													
2.2.1) 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)	2 / 15.259	2 / 1.354	4 / 7.557	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 24.170	
Subtotal: Procurement, All Modification Items	- / 15.259	- / 1.354	- / 7.557	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.170	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / -	- / -	- / 0.571	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.571	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

UNCLASSIFIED

LI 0566 - Executive Helicopters Series
Navy

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
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 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Manufacturer Name: Sikorsky Aircraft Corporation - UH-3D Structural Mod							Manufacturer Location: >Stratford, CT					
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 2					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Mar 2014										
Delivery Dates		May 2014										
Manufacturer Name: Sikorsky Aircraft Corporation- UH-60N Conversion							Manufacturer Location: >Stratford, CT					
Administrative Leadtime (in Months): 3							Production Leadtime (in Months): 9					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Dec 2013											
Delivery Dates	Sep 2014											
Manufacturer Name: Sikorsky Aircraft Corporation - UH-60N Structural Mod							Manufacturer Location: >Stratford, CT					
Administrative Leadtime (in Months): 3							Production Leadtime (in Months): 9					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Dec 2013										
Delivery Dates		Sep 2014										
Installation Information												
Method of Implementation: Installation of UH-3D Conversion - Contractor Mod Team : Installation Name: UH-3D Conversion Kit												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Installation of UH-3D Conversion - Contractor Mod Team : Installation Name: UH-3D Conversion Kit

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 8.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.850

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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: Installation of UH-3D Structural Mod - Contractor Team Mod : Installation Name: UH-3D Structural Mod

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	1 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.000
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Installation of UH-3D Structural Mod - Contractor Team Mod : Installation Name: UH-3D Structural Mod

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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: Installation of UH-60N Conversion - Contractor Mod Team : Installation Name: UH-60N Conversion Kit

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	1 / 4.812	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.812
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 4.812	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.812

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Installation of UH-60N Structural Mod - Contractor Mod Team : Installation Name: UH-60N Structural K

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	1 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.000
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.000

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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-3D Conversion Equip

Installation Quantity: 1

Method of Implementation (Organic): Organic - UH-3D Structural Mod Equip

Installation Quantity: 1

Method of Implementation (Organic): Organic - UH-60N Conversion Equip

Installation Quantity: 1

Method of Implementation (Organic): Organic - UH-60N Structural Equip

Installation Quantity: 1

Footnotes:

(25) 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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
(26) 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. (27) 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. (28) 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. (29) Other Support in FY15 is for VAL/VER of the UH-60N Trainer Aircraft.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	12.252	5.369	20.801	4.250	-	4.250	15.496	15.586	22.599	40.888	25.718	162.959
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	12.252	5.369	20.801	4.250	-	4.250	15.496	15.586	22.599	40.888	25.718	162.959
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	12.252	5.369	20.801	4.250	-	4.250	15.496	15.586	22.599	40.888	25.718	162.959
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 digital map and GPS approach functionality, 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, with completion projected in FY 2022.

Notes: In FY13, the \$15M Congressional Mark and sequestration caused major schedule realignments.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽³⁰⁾	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.807	1 / 1.841	3 / 5.628	6 / 11.724	- / -	11 / 21.000	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.807	- / 1.841	- / 5.628	- / 11.724	- / -	- / 21.000	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽³¹⁾	- / 2.854	- / 2.615	- / 9.239	- / 1.700	- / -	- / 1.700	- / 5.000	- / -	- / -	- / -	- / -	- / 21.408	
Subtotal: Non-Recurring	- / 2.854	- / 2.615	- / 9.239	- / 1.700	- / -	- / 1.700	- / 5.000	- / -	- / -	- / -	- / -	- / 21.408	
B Kits													
Recurring													
2.1.1) VH-3D Cockpit Upgrade Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.141	1 / 2.181	3 / 6.670	6 / 13.850	- / -	11 / 24.842	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.141	- / 2.181	- / 6.670	- / 13.850	- / -	- / 24.842	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 6.088	- / 0.547	- / 7.621	- / 1.500	- / -	- / 1.500	- / 2.000	- / -	- / -	- / -	- / -	- / 17.756	
Subtotal: Non-Recurring	- / 6.088	- / 0.547	- / 7.621	- / 1.500	- / -	- / 1.500	- / 2.000	- / -	- / -	- / -	- / -	- / 17.756	
Subtotal: VH-3D COCKPIT UPGRADE (OSIP 010-12)	- / 8.942	- / 3.162	- / 16.860	- / 3.200	- / -	- / 3.200	2 / 10.948	2 / 4.022	6 / 12.298	12 / 25.574	- / -	22 / 85.006	
Subtotal: Procurement, All Modification Items	- / 8.942	- / 3.162	- / 16.860	- / 3.200	- / -	- / 3.200	- / 10.948	- / 4.022	- / 12.298	- / 25.574	- / -	- / 85.006	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.600	- / 1.500	- / -	- / -	- / 3.100	
3.3) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000	- / 1.901	- / -	- / -	- / 2.901	
3.4) Support Equipment	- / 0.189	- / -	- / 0.500	- / -	- / -	- / -	- / 0.250	- / -	- / -	- / -	- / -	- / 0.939	
3.5) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.298	- / -	- / -	- / -	- / -	- / 1.298	
3.6) Other Support	- / 3.121	- / 2.207	- / 3.441	- / 1.050	- / -	- / 1.050	- / 3.000	- / 2.964	- / 2.900	- / 3.086	- / 1.262	- / 23.031	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 3.310	- / 2.207	- / 3.941	- / 1.050	- / -	- / 1.050	- / 4.548	- / 5.564	- / 6.301	- / 3.086	- / 1.262	- / 31.269	
Installation													
Modification Item 1 of 1: VH-3D COCKPIT UPGRADE (OSIP 010-12)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.000	- / 4.000	- / 12.228	- / 24.456	- / 46.684	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.000	- / 4.000	- / 12.228	- / 24.456	- / 46.684	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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)	12.252	5.369	20.801	4.250	-	4.250	15.496	15.586	22.599	40.888	25.718	162.959	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
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)																																							
Modification Item MDAP/MAIS Code:																																							
Manufacturer Information																																							
Manufacturer Name: Sikorsky Aircraft Corporation															Manufacturer Location: >Stratford, CT																								
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 13																								
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019													
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 6.000	- / -	- / -	1 / 6.000																										
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.000	- / -	- / -	1 / 4.000																										
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 12.228	- / -	3 / 12.228																										
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 24.456	6 / 24.456																										
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 6.000	1 / 4.000	3 / 12.228	6 / 24.456																										
Installation Schedule																																							
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	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	-	-	6	11								
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	9	11								
Method of Implementation (Organic): Organic - VH-3D Cockpit Upgrade Kit																														Installation Quantity: 11									
Footnotes:																																							

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

(30) VH-60N CUP aircraft avionics components inflate at a higher rate than standard inflation, hence the slightly higher acceleration.

(31) Due to budget constraints in FY15 the majority of the remaining Non-Recurring Engineering (NRE) for the VH-3D CUP will be delayed.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 7 / Inactive OSIPs

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy								Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series				Modification Number / Title: 7 / Inactive OSIPs						
Models of Systems Affected: VH-3D / VH-60N			Modification Type: SAFETY						Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total		
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0566 / Executive Helicopters Series			Modification Number / Title: 7 / Inactive OSIPs	
Modification Item 1 of 1: Inactive OSIPs							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy	Date: March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	372.459	14.072	17.059	21.317	-	21.317	30.790	23.156	11.178	8.933	-	498.964
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	372.459	14.072	17.059	21.317	-	21.317	30.790	23.156	11.178	8.933	-	498.964
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	372.459	14.072	17.059	21.317	-	21.317	30.790	23.156	11.178	8.933	-	498.964
(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)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Intelligence Sensors (OSIP 019-97)	P-3a		-	-	298.104	-	-	14.072	-	-	17.059	-	-	16.263	-	-	-	-	-	16.263
P-3a - 2 / CLASSIFIED	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	5.054	-	-	-	-	-	5.054
P-3a - 3 / Inactive OSIPS	P-3a		-	-	74.355	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	372.459	-	-	14.072	-	-	17.059	-	-	21.317	-	-	-	-	-	21.317
Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Intelligence Sensors (OSIP 019-97)	P-3a		-	-	23.864	-	-	17.411	-	-	8.670	-	-	8.933	-	-	-	-	-	404.376

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 2 / CLASSIFIED	P-3a		-	-	6.926	-	-	5.745	-	-	2.508	-	-	-	-	-	-	-	-	20.233	
P-3a - 3 / Inactive OSIPS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74.355	
Total Gross/Weapon System Cost			-	-	30.790	-	-	23.156	-	-	11.178	-	-	8.933	-	-	-	-	-	498.964	
*For the P-3a, Title represents the Modification Number / Title. Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: FY2013 \$2.714M OCO Request is for Special Collection Equipment. FY2014 \$3.375M OCO Request is for P496 (V5.0) Production Systems, C2 Exploit, Analyze and Control and the Special Collection Equipment. FY2014 commences integration of QRC capabilities on the P-8 aircraft. FY2014 increase due to Congressional Adds of \$5M for Program Office Sustainment and \$5M for Sensor Obsolescence. FY 2015 - FY 2017 increases are required to: (1) Correct previous FY OSIP 19-97 APN funding deficiencies that resulted in degraded or lost mission-unique equipment collection capabilities, (2) procure mission-unique systems/suites necessary to pace the evolving threat, and (3) keep the platform viable through mission-unique equipment obsolescence refreshes until these capabilities are recapitalized on various UAV/ UAS/P-8 QRC platforms in FY19/20 timeframe.																					

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	298.104	14.072	17.059	16.263	-	16.263	23.864	17.411	8.670	8.933	-	404.376
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	298.104	14.072	17.059	16.263	-	16.263	23.864	17.411	8.670	8.933	-	404.376
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	298.104	14.072	17.059	16.263	-	16.263	23.864	17.411	8.670	8.933	-	404.376
(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>	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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.

FY2013 includes \$2.714M for OCO Request for Special Collection Equipment.

FY2014 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.

FY2014 increase due to Congressional Adds of \$5M for Program Office Sustainment and \$5M for Sensor Obsolescence.

DEVELOPMENT STATUS/MAJOR MILESTONES: Not Applicable

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)												
A Kits												
Recurring												
1.1.1) P-3 Kits (Mission Unique) - NonOrganic	4 / 0.660	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.660
Subtotal: Recurring	- / 0.660	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.660
B Kits												
Recurring												
2.1.1) Improved Comm & Collect Capability - NonOrganic ⁽¹⁾	9,999 / 32.644	- / 0.298	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9,999 / 32.942
2.1.2) Mission Unique Equipment - NonOrganic	9,999 / 86.747	- / 7.664	- / 7.163	- / 12.145	- / -	- / 12.145	- / 11.484	- / 6.351	- / 1.893	- / 0.900	- / -	9,999 / 134.347
2.1.3) SPA Replacement (Special Mission) - Organic	- / 46.659	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 46.659
2.1.4) Blue Force Tracking - Organic	6 / 1.754	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.754
2.1.5) Collection Equipment - Organic	12 / 3.065	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 3.065
Subtotal: Recurring	- / 170.869	- / 7.962	- / 7.163	- / 12.145	- / -	- / 12.145	- / 11.484	- / 6.351	- / 1.893	- / 0.900	- / -	- / 218.767
Non-Recurring												
2.2.1) Install Equipment N/R - Organic	- / 65.065	- / 1.946	- / 3.711	- / 1.572	- / -	- / 1.572	- / 1.572	- / 1.348	- / 0.820	- / 1.351	- / -	- / 77.385
2.2.2) BFT/Collection Equipment (Install Equip N/R) - Organic	- / 0.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.120
Subtotal: Non-Recurring	- / 65.185	- / 1.946	- / 3.711	- / 1.572	- / -	- / 1.572	- / 1.572	- / 1.348	- / 0.820	- / 1.351	- / -	- / 77.505
Subtotal: Intelligence Sensors (OSIP 019-97)	20,020 / 236.714	- / 9.908	- / 10.874	- / 13.717	- / -	- / 13.717	- / 13.056	- / 7.699	- / 2.713	- / 2.251	- / -	20,020 / 296.932
Subtotal: Procurement, All Modification Items	- / 236.714	- / 9.908	- / 10.874	- / 13.717	- / -	- / 13.717	- / 13.056	- / 7.699	- / 2.713	- / 2.251	- / -	- / 296.932
Support (All Modification Items)												
3.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data ⁽²⁾	- / 4.091	- / 0.533	- / 0.494	- / 0.300	- / -	- / 0.300	- / 1.009	- / 0.950	- / 0.200	- / 0.100	- / -	- / 7.677
3.3) Training Equipment	- / 10.534	- / 0.050	- / -	- / 0.200	- / -	- / 0.200	- / 0.280	- / 0.260	- / 0.200	- / 0.100	- / -	- / 11.624
3.4) BFT/Collection Equipment (Training Equip)	- / 0.181	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.181
3.5) Support Equipment	- / 0.380	- / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.430
3.6) ILS	- / 3.155	- / 0.292	- / 0.350	- / 0.300	- / -	- / 0.300	- / 0.673	- / 0.900	- / 0.400	- / 0.500	- / -	- / 6.570
3.7) Other Support	- / 39.314	- / 2.839	- / 3.751	- / 1.346	- / -	- / 1.346	- / 4.876	- / 4.602	- / 3.807	- / 5.282	- / -	- / 65.817
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 57.655	- / 3.764	- / 4.595	- / 2.146	- / -	- / 2.146	- / 6.838	- / 6.712	- / 4.607	- / 5.982	- / -	- / 92.299

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Exhibit P-3a, Individual Modification: PB 2015 Navy											Date: March 2014																					
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)																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: TBD - Mission Unique Equipment ⁽³⁾														Manufacturer Location: >TBD																		
Administrative Leadtime (in Months): 4														Production Leadtime (in Months): 8																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates		Jan 2013				Jan 2014				Jan 2015				Jan 2016				Jan 2017				Jan 2018				Jan 2019						
Delivery Dates		Sep 2013				Sep 2014				Sep 2015				Sep 2016				Sep 2017				Sep 2018				Sep 2019						
Installation Information																																
Method of Implementation: Navy Field Mod Team : Installation Name: Operational Improvement																																
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total									
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 / 3.735		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 3.735								
FY 2013		- / -		- / 0.400		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.400								
FY 2014		- / -		- / -		- / 1.590		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 1.590								
FY 2015		- / -		- / -		- / -		- / 0.400		- / -		- / 0.400		- / -		- / -		- / -		- / -		- / -		- / 0.400								
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / 3.970		- / -		- / -		- / -		- / -		- / 3.970								
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 3.000		- / -		- / -		- / -		- / 3.000								
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 1.350		- / -		- / -		- / 1.350								
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.700		- / -		- / 0.700								
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
Total		0 / 3.735		- / 0.400		- / 1.590		- / 0.400		- / -		- / 0.400		- / 3.970		- / 3.000		- / 1.350		- / 0.700		- / -		- / 15.145								
Installation Schedule																																
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
		Q1	Q2	Q3	Q4	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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Method of Implementation (Organic): Organic - Blue Force Tracking																																
																										Installation Quantity: 6						
Method of Implementation (Organic): Organic - Collection Equipment																																
																										Installation Quantity: 12						

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Footnotes:

- (1) Installation equipment includes both Mission Unique and Improved Communication Capabilities to be installed concurrently.
- (2) Data, Training Equipment, ILS and Other Support requirements are aligned to support First Article qualification testing in FY-16.
- (3) Installation equipment includes both Mission Unique and Improved Communication Capabilities to be installed concurrently.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	5.054	-	5.054	6.926	5.745	2.508	-	-	20.233
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	5.054	-	5.054	6.926	5.745	2.508	-	-	20.233
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	5.054	-	5.054	6.926	5.745	2.508	-	-	20.233
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

OSIP #007-15 was transferred to new PE #0305241N and has been submitted as a CLASSIFIED budget. BLI # will be changed at the next POM cycle.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) CLASSIFIED	- / -	- / -	- / -	- / 5.054	- / -	- / 5.054	- / 6.926	- / 5.745	- / 2.508	- / -	- / -	- / 20.233	
Subtotal: Support	- / 0.000	- / -	- / -	- / 5.054	- / -	- / 5.054	- / 6.926	- / 5.745	- / 2.508	- / -	- / -	- / 20.233	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	5.054	-	5.054	6.926	5.745	2.508	-	-	20.233	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Support Only Installation					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	500.119	45.354	93.128	90.052	-	90.052	104.421	118.683	151.903	171.106	962.429	2,237.195
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	500.119	45.354	93.128	90.052	-	90.052	104.421	118.683	151.903	171.106	962.429	2,237.195
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	500.119	45.354	93.128	90.052	-	90.052	104.421	118.683	151.903	171.106	962.429	2,237.195
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date. Description: This line item funds modifications to T-45A/C aircraft. Current FY14 inventory is 200 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 2014 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 issues. [Operational, Safety and Improvement Program (OSIP)] 08-95 (Corrections Of Deficiencies) was established to resolve safety and reliability issues, improve required mission capabilities, and increase service life of aircraft components. OSIP 03-03 (Engine Surge) was established to resolve engine surge critical safety issues. OSIP 17-04 (Avionics Obsolescence) was established to convert the T-45As (analog) to the digital T-45C configuration (Required Avionics Modernization Program) and resolve avionics obsolescence/DMSMS and safety related avionics issues. OSIP (02-06) (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. No new Type Model Series will be developed to pick up this requirement; as a result, the T-45 will modify 17 aircraft to incorporate Synthetic Radar Training into curriculum. OSIP 22-14 Service Life Extension Program (SLEP) was created to execute SLEP from FY14 through to complete. Starting in FY16 funding is provided for OSIP 06-16 Required Avionics Sustainment Program (RASP) 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. 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.												

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014							
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 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / T-45TS Corrections of Deficiencies (OSIP 008-95)	P-3a		-	-	205.996	-	-	17.722	-	-	44.690	-	-	23.038	-	-	-	-	-	23.038	
P-3a - 2 / Engine Surge (OSIP 003-03)	P-3a		-	-	22.406	-	-	2.068	-	-	16.100	-	-	21.072	-	-	-	-	-	21.072	
P-3a - 3 / Avionics Obsolescence (OSIP 017-04)	P-3a		-	-	183.285	-	-	20.502	-	-	20.483	-	-	22.649	-	-	-	-	-	22.649	
P-3a - 4 / Synthetic Radar (OSIP 002-06)	P-3a		-	-	61.746	-	-	5.062	-	-	0.550	-	-	-	-	-	-	-	-	-	
P-3a - 5 / Service Life Extension Program (SLEP) (022-14)	P-3a		-	-	0.000	-	-	-	-	-	11.305	-	-	23.293	-	-	-	-	-	23.293	
P-3a - 6 / Required Avionics Sustainment Program (RASP) (006-16)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 7 / Inactive OSIPs	P-3a		-	-	26.686	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Gross/Weapon System Cost			-	-	500.119	-	-	45.354	-	-	93.128	-	-	90.052	-	-	-	-	-	90.052	
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / T-45TS Corrections of Deficiencies (OSIP 008-95)	P-3a		-	-	29.456	-	-	28.761	-	-	30.186	-	-	27.622	-	-	224.954	-	-	632.425	
P-3a - 2 / Engine Surge (OSIP 003-03)	P-3a		-	-	13.641	-	-	11.927	-	-	11.893	-	-	17.678	-	-	196.093	-	-	312.878	
P-3a - 3 / Avionics Obsolescence (OSIP 017-04)	P-3a		-	-	24.631	-	-	28.295	-	-	24.087	-	-	17.806	-	-	34.911	-	-	376.649	
P-3a - 4 / Synthetic Radar (OSIP 002-06)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67.358	
P-3a - 5 / Service Life Extension Program (SLEP) (022-14)	P-3a		-	-	26.093	-	-	22.442	-	-	45.669	-	-	41.728	-	-	402.222	-	-	572.752	
P-3a - 6 / Required Avionics Sustainment Program (RASP) (006-16)	P-3a		-	-	10.600	-	-	27.258	-	-	40.068	-	-	66.272	-	-	104.249	-	-	248.447	
P-3a - 7 / Inactive OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.686	
Total Gross/Weapon System Cost			-	-	104.421	-	-	118.683	-	-	151.903	-	-	171.106	-	-	962.429	-	-	2,237.195	
*For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
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:
Justification: In the OSD14 budget submit, the SLEP OSIP 22-14 was created to execute SLEP from FY14 to complete. It was previously a fully funded program under OSIP 08-95. 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-13 are covered under OSIP 08-95. SLEP tasks beginning in FY-14 and out are covered under OSIP 22-14.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	205.996	17.722	44.690	23.038	-	23.038	29.456	28.761	30.186	27.622	224.954	632.425
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	205.996	17.722	44.690	23.038	-	23.038	29.456	28.761	30.186	27.622	224.954	632.425
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	205.996	17.722	44.690	23.038	-	23.038	29.456	28.761	30.186	27.622	224.954	632.425
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 Longeron, Wing tip, Gas Turbine Starter bracket, Horizontal Stabilators, 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 Longeron/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. 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. SLEP tasks through FY-13 are covered under OSIP 08-95. SLEP tasks beginning in FY-14 and out are covered under OSIP 22-14. The additional other support and Non-Recurring Engineering costs in FY-14 and beyond (started in FY-13) 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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FY-14 and out provides funds for STRUCTURAL ECPs, SYSTEMS ECPs, and ENGINE/PROPULSION & POWER ECPs. 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-13 are covered under OSIP 08-95. SLEP tasks beginning in FY-14 and out are covered under OSIP 22-14.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: T-45TS Corrections of Deficiencies (OSIP 008-95)													
A Kits													
Recurring													
1.1.1) Airframe Structural - NonOrganic ⁽¹⁾	823 / 16.113	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	823 / 16.113	
1.1.2) Leading Edge Nutplate - NonOrganic ⁽²⁾	- / -	- / -	4 / 0.184	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.184	
1.1.3) Canopy Redesign - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.302	14 / 2.155	16 / 2.457	
1.1.4) Wingtip Replacement - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.592	- / -	- / -	- / -	2 / 2.592	
1.1.5) Sub 14.4K FLE Deficiencies - NonOrganic ⁽³⁾	- / -	- / -	16 / 4.080	2 / 0.260	- / -	2 / 0.260	- / -	- / -	8 / 1.100	18 / 2.520	156 / 24.165	200 / 32.125	
1.1.6) Airframe Structural "O&I" level Install - Organic	692 / 13.548	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	692 / 13.548	
1.1.7) Airframe Systems - NonOrganic	488 / 8.752	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	488 / 8.752	
1.1.8) Main Landing Gear (LSP) - NonOrganic ⁽⁴⁾	- / -	- / -	16 / 3.672	- / -	- / -	- / -	8 / 0.169	16 / 0.346	20 / 0.440	20 / 0.448	24 / 0.538	104 / 5.613	
1.1.9) Airframe Systems "O & I" Level Install - Organic	122 / 2.188	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	122 / 2.188	
1.1.10) Main Landing Gear HY-TUF Kits - Organic	- / -	- / -	8 / 9.450	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 9.450	
1.1.11) Hookshank LSP - Organic ⁽⁵⁾	- / -	12 / 0.024	24 / 0.049	60 / 0.125	- / -	60 / 0.125	60 / 0.127	48 / 0.104	- / -	- / -	- / -	204 / 0.429	
1.1.12) Hookshank new vendor (M54) - Organic ⁽⁶⁾	- / -	20 / 1.600	20 / 1.632	20 / 1.664	- / -	20 / 1.664	- / -	- / -	- / -	- / -	- / -	60 / 4.896	
1.1.13) Nose Wheel Steering System - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.795	30 / 1.620	30 / 1.650	30 / 1.680	90 / 5.235	195 / 10.980	
1.1.14) Hydraulic System - Organic ⁽⁷⁾	- / -	- / -	2 / 0.071	35 / 0.536	- / -	35 / 0.536	40 / 0.624	40 / 0.636	40 / 0.648	44 / 0.726	- / -	201 / 3.241	
1.1.15) Naces Lanyard Retention Collar - Organic ⁽⁸⁾	- / -	402 / 0.039	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	402 / 0.039	
1.1.16) Archived ECPs - NonOrganic	- / 57.347	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 57.347	
1.1.17) Vertical Control Surface (Rudder) - Organic ⁽⁹⁾	- / -	- / -	- / -	- / -	- / -	- / -	24 / 5.243	- / -	- / -	- / -	- / -	24 / 5.243	
Subtotal: Recurring	- / 97.948	- / 1.663	- / 19.138	- / 2.585	- / -	- / 2.585	- / 6.958	- / 5.298	- / 3.838	- / 5.676	- / 32.093	- / 175.197	
Non-Recurring													
1.2.1) NON-RECURRING COSTS - Organic ⁽¹⁰⁾	- / 21.537	- / 3.289	- / 6.941	- / 1.690	- / -	- / 1.690	- / 7.628	- / 7.642	- / 8.862	- / 3.220	- / 20.000	- / 80.809	
Subtotal: Non-Recurring	- / 21.537	- / 3.289	- / 6.941	- / 1.690	- / -	- / 1.690	- / 7.628	- / 7.642	- / 8.862	- / 3.220	- / 20.000	- / 80.809	
B Kits													
Recurring													
2.1.1) Naces Sequencer EMI - Organic	- / -	100 / 0.010	100 / 0.010	100 / 0.010	- / -	100 / 0.010	100 / 0.010	- / -	- / -	- / -	- / -	400 / 0.040	
2.1.2) OBOGS Solid State O2 Monitor (O&I level) - Organic	- / -	- / -	20 / 0.143	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.143	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
2.1.3) Archived B Kits - Organic	27 / 6.653	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 6.653
Subtotal: Recurring	- / 6.653	- / 0.010	- / 0.153	- / 0.010	- / -	- / 0.010	- / 0.010	- / -	- / -	- / -	- / -	- / 6.836
Non-Recurring												
2.2.1) INSTALL EQUIPMENT N/R - Organic	- / 4.061	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.061
Subtotal: Non-Recurring	- / 4.061	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.061
Subtotal: T-45TS Corrections of Deficiencies (OSIP 008-95)	2,152 / 130.199	534 / 4.962	210 / 26.232	217 / 4.285	- / -	217 / 4.285	247 / 14.596	136 / 12.940	98 / 12.700	114 / 8.896	284 / 52.093	3,992 / 266.903
Subtotal: Procurement, All Modification Items	- / 130.199	- / 4.962	- / 26.232	- / 4.285	- / -	- / 4.285	- / 14.596	- / 12.940	- / 12.700	- / 8.896	- / 52.093	- / 266.903
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.809	- / 0.032	- / 0.035	- / 0.039	- / -	- / 0.039	- / 0.035	- / 0.035	- / 0.035	- / 0.035	- / 0.210	- / 1.265
3.3) Training Equipment	- / 7.054	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.054
3.4) Support Equipment ⁽¹¹⁾	- / 1.430	- / 0.048	- / 0.050	- / 0.050	- / -	- / 0.050	- / 0.050	- / 0.050	- / 0.050	- / 0.050	- / 0.300	- / 2.078
3.5) ILS ⁽¹²⁾	- / -	- / 0.232	- / 0.236	- / 0.241	- / -	- / 0.241	- / 0.245	- / 0.250	- / 0.255	- / 0.255	- / 1.658	- / 3.372
3.6) Other Support	- / 40.025	- / 9.775	- / 12.934	- / 12.724	- / -	- / 12.724	- / 12.558	- / 12.446	- / 12.948	- / 11.932	- / 60.030	- / 185.372
Subtotal: Support	- / 49.318	- / 10.087	- / 13.255	- / 13.054	- / -	- / 13.054	- / 12.888	- / 12.781	- / 13.288	- / 12.272	- / 62.198	- / 199.141
Installation												
Modification Item 1 of 1: T-45TS Corrections of Deficiencies (OSIP 008-95)	- / 26.479	- / 2.673	- / 5.203	- / 5.699	- / -	- / 5.699	- / 1.972	- / 3.040	- / 4.198	- / 6.454	- / 110.663	- / 166.381
Subtotal: Installation	- / 26.479	- / 2.673	- / 5.203	- / 5.699	- / -	- / 5.699	- / 1.972	- / 3.040	- / 4.198	- / 6.454	- / 110.663	- / 166.381
Total												
Total Cost (Procurement + Support + Installation)	205.996	17.722	44.690	23.038	-	23.038	29.456	28.761	30.186	27.622	224.954	632.425

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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 1: T-45TS Corrections of Deficiencies (OSIP 008-95)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Various ⁽¹³⁾														Manufacturer Location: >Various																	
Administrative Leadtime (in Months): 0														Production Leadtime (in Months): 0																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
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 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		1,917 / 26.479		377 / 2.673		29 / 5.203		-		-		-		-		-		-		-		-		-		2,323 / 34.355					
FY 2013		-		-		-		-		-		-		-		-		-		-		-		-		-					
FY 2014		-		-		-		36 / 5.699		-		36 / 5.699		-		-		-		-		-		-		36 / 5.699					
FY 2015		-		-		-		-		-		-		2 / 1.972		-		-		-		-		-		2 / 1.972					
FY 2016		-		-		-		-		-		-		-		23 / 3.040		-		-		-		-		23 / 3.040					
FY 2017		-		-		-		-		-		-		-		-		48 / 4.198		-		-		-		48 / 4.198					
FY 2018		-		-		-		-		-		-		-		-		-		58 / 6.454		-		-		58 / 6.454					
FY 2019		-		-		-		-		-		-		-		-		-		-		70 / 11.754		-		70 / 11.754					
To Complete		-		-		-		-		-		-		-		-		-		-		284 / 98.909		-		284 / 98.909					
Total		1,917 / 26.479		377 / 2.673		29 / 5.203		36 / 5.699		-		36 / 5.699		2 / 1.972		23 / 3.040		48 / 4.198		58 / 6.454		354 / 110.663		-		2,844 / 166.381					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	1,917	94	94	94	95	7	7	7	8	9	9	9	9	-	-	2	-	6	6	6	5	13	13	12	10	14	14	14	16	354	2,844
Out	1,917	94	94	94	95	7	7	7	8	9	9	9	9	-	-	2	-	6	6	6	5	13	13	12	10	14	14	14	16	354	2,844
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 2015 Navy		Date: March 2014
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 1: T-45TS Corrections of Deficiencies (OSIP 008-95)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - Main Landing Gear HY-TUF Kits		Installation Quantity: 8
Method of Implementation (Organic): Organic - Hookshank LSP		Installation Quantity: 204
Method of Implementation (Organic): Organic - Hookshank new vendor (M54)		Installation Quantity: 60
Method of Implementation (Organic): Organic - Hydraulic System		Installation Quantity: 201
Method of Implementation (Organic): Organic - Naces Lanyard Retention Collar		Installation Quantity: 402
Method of Implementation (Organic): Organic - Vertical Control Surface (Rudder)		Installation Quantity: 24
Method of Implementation (Organic): Not Installed - Naces Sequencer EMI		Installation Quantity: 400
Method of Implementation (Organic): Organic - OBOGS Solid State 02 Monitor (O&I level)		Installation Quantity: 20
Method of Implementation (Organic): Not Installed - Archived B Kits		Installation Quantity: 27
Footnotes: ⁽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⁾ CE: 1.1.2 The decrease in funding from the previous President's Budget submit is due to the Department's decision that leading edge nutplate modification is not required due to Service Life Extension Program (SLEP) modifications. ⁽³⁾ CE: 1.1.5 Realigned sub 14.4K FY-13 kit (1) to NRE, this was intended to be NRE funding to FST to begin sub 14.4K engineering effort. 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 other large scale Depot modifications. NRE effort initial findings indicate A-kit cost reduction, install cost increase of val/ver kits and qty requirement increase to 200 aircraft. ⁽⁴⁾ CE: 1.1.8 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. ⁽⁵⁾ Hookshank LSP in FY-14 is not an increase. This is the first year of breaking out the Airframe Systems A Kits into specific cost element lines.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
(6) CE: 1.1.12 Funding was realigned within controls to fund 20 kits needed in FY13. Fleet requirements for Hookshank M54 have increased by 20, indicating fact of life change to a total of 60 A Kits, vice the originally planned 40. (7) 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 FST and CNATRA. (8) Updated quantity to reflect fact of life of two kits per Aircraft. (9) Verticle Control Surface (Rudder) ECP kit buys in FY16. (10) Non recurring costs in CE 1.2.1 do not contain Service Life Extension Program (SLEP) as of FY14. See OSIP 22-14 for SLEP. Funding for FY14 and out is for other non-SLEP efforts. Fluctuations in non recurring costs are due to differing levels of complexity with kits being developed. FY 2014 thru FY 2015 reductions in NRE from Previous President's budget submit are due to Congressional mark. (11) FY16 costs reflect CE 1.1.5, Sub 14.4 support equipment requirements. (12) The unique nature of the platform being supported via contractor logistics support and not being provisioned thru NAVSUP requires this minimum level of funding to operate the program of record. (13) 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	22.406	2.068	16.100	21.072	-	21.072	13.641	11.927	11.893	17.678	196.093	312.878
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	22.406	2.068	16.100	21.072	-	21.072	13.641	11.927	11.893	17.678	196.093	312.878
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	22.406	2.068	16.100	21.072	-	21.072	13.641	11.927	11.893	17.678	196.093	312.878
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Engine Surge: 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. Funding is provided to correct T-45 F405 engine surge/stall. 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 FY14 to support kit procurements in FY15. Starting in FY14, Office of the Chief of Naval Operations Issue 50104 provides an additional \$39.1M within FY14-FY18 to fund T-45 Engine Inlet Modification efforts to mitigate surge/stall risk to an acceptable level. T-45 Engine Inlet Modification Non-Recurring Engineering will occur in FY14-FY16 to support kit procurements beginning in FY16. 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 F405-401 engine will continue in FY14 and out to support kit procurement in FY16.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 Surge (OSIP 003-03)												
A Kits												
Recurring												
1.1.1) Airframe Kits- - NonOrganic ⁽¹⁴⁾	18 / 1.372	- / -	- / -	100 / 0.832	- / -	100 / 0.832	225 / 1.776	225 / 1.809	225 / 1.650	100 / 0.840	- / -	893 / 8.279
1.1.2) AF Inlet Mod Kits - NonOrganic ⁽¹⁵⁾	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.556	- / -	12 / 1.725	24 / 3.508	163 / 25.465	203 / 31.254
1.1.3) Engine Kits - NonOrganic	- / -	- / -	25 / 0.255	25 / 0.260	- / -	25 / 0.260	25 / 0.265	25 / 0.270	25 / 0.275	25 / 0.280	220 / 13.401	370 / 15.006
1.1.4) Engine Kits O & I Level - Organic ⁽¹⁶⁾	- / -	- / -	41 / 0.176	61 / 0.387	- / -	61 / 0.387	61 / 0.395	61 / 0.402	61 / 0.410	20 / 0.224	100 / 1.180	405 / 3.174
Subtotal: Recurring	- / 1.372	- / -	- / 0.431	- / 1.479	- / -	- / 1.479	- / 2.992	- / 2.481	- / 4.060	- / 4.852	- / 40.046	- / 57.713
Non-Recurring												
1.2.1) Non-Recurring Engineering - Organic ⁽¹⁷⁾	- / 11.853	- / 0.237	- / 8.300	- / 8.209	- / -	- / 8.209	- / 2.817	- / 1.296	- / 2.200	- / 2.240	- / 3.000	- / 40.152
Subtotal: Non-Recurring	- / 11.853	- / 0.237	- / 8.300	- / 8.209	- / -	- / 8.209	- / 2.817	- / 1.296	- / 2.200	- / 2.240	- / 3.000	- / 40.152
B Kits												
Recurring												
2.1.1) Install Equipment - Organic	- / -	- / -	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.202	- / 0.820	- / 2.022
Subtotal: Recurring	- / 0.000	- / -	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.202	- / 0.820	- / 2.022
Non-Recurring												
2.2.1) INSTALL EQUIPMENT N/R - Organic	- / -	- / -	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.202	- / 0.820	- / 2.022
Subtotal: Non-Recurring	- / 0.000	- / -	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.202	- / 0.820	- / 2.022
Subtotal: Engine Surge (OSIP 003-03)	18 / 13.225	- / 0.237	66 / 9.131	186 / 10.088	- / -	186 / 10.088	315 / 6.209	311 / 4.177	323 / 6.660	169 / 7.496	483 / 44.686	1,871 / 101.909
Subtotal: Procurement, All Modification Items	- / 13.225	- / 0.237	- / 9.131	- / 10.088	- / -	- / 10.088	- / 6.209	- / 4.177	- / 6.660	- / 7.496	- / 44.686	- / 101.909
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data ⁽¹⁸⁾	- / 0.070	- / -	- / 0.150	- / 0.150	- / -	- / 0.150	- / 1.275	- / 2.439	- / 2.457	- / 2.468	- / 15.819	- / 24.828
3.3) Training Equipment	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.025
3.4) Support Equipment N/R ⁽¹⁹⁾	- / 0.700	- / -	- / 2.998	- / 6.799	- / -	- / 6.799	- / 1.464	- / 0.158	- / 0.158	- / 0.158	- / 1.484	- / 13.919
3.5) ILS ⁽²⁰⁾	- / 0.010	- / -	- / -	- / 0.455	- / -	- / 0.455	- / 0.463	- / 0.471	- / 0.479	- / 0.487	- / 3.630	- / 5.995
3.6) Other Support ⁽²¹⁾	- / 8.376	- / 1.831	- / 3.471	- / 3.138	- / -	- / 3.138	- / 3.461	- / 1.383	- / 1.341	- / 1.241	- / 14.862	- / 39.104
3.7) Interim Contractor Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / 0.500
Subtotal: Support	- / 9.181	- / 1.831	- / 6.619	- / 10.542	- / -	- / 10.542	- / 6.663	- / 4.451	- / 4.435	- / 4.354	- / 36.295	- / 84.371
Installation												
Modification Item 1 of 1: Engine Surge (OSIP 003-03)	- / 0.000	- / -	- / 0.350	- / 0.442	- / -	- / 0.442	- / 0.769	- / 3.299	- / 0.798	- / 5.828	- / 115.112	- / 126.598

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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 1: Engine Surge (OSIP 003-03)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: TBD - Airframe Kits							Manufacturer Location: >TBD					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 1					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018					
Delivery Dates			Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018					
Manufacturer Name: TBD- AF Inlet Mod Kits							Manufacturer Location: >TBD					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates				Oct 2015		Oct 2017	Oct 2018					
Delivery Dates				Nov 2016		Nov 2018	Nov 2019					
Manufacturer Name: Various - Engine Kits							Manufacturer Location: >Various					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 1					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Oct 2013	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018					
Delivery Dates		Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018					
Installation Information												
Method of Implementation: Contractor Field Mod Team : Installation Name: Airframe Kits-												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	100 / 0.312	- / -	100 / 0.312	- / -	- / -	- / -	- / -	- / -	100 / 0.312
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	225 / 0.636	- / -	- / -	- / -	- / -	225 / 0.636
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	225 / 0.648	- / -	- / -	- / -	225 / 0.648
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	225 / 0.660	- / -	- / -	225 / 0.660
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 0.224	- / -	100 / 0.224
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.000	- / -	- / -	100 / 0.312	- / -	100 / 0.312	225 / 0.636	225 / 0.648	225 / 0.660	100 / 0.224	- / -	876 / 2.480

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Exhibit P-3a, Individual Modification: PB 2015 Navy																									Date: March 2014										
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 1: Engine Surge (OSIP 003-03)																																			
Modification Item MDAP/MAIS Code:																																			
Installation Information																																			
Method of Implementation: Contractor Field Mod Team : Installation Name: Airframe Kits-																																			
Installation Schedule																																			
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019									
		Q1	Q2	Q3	Q4	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	-	-	-	-	-	-	-	-	25	25	25	25	56	56	56	57	56	56	56	57	56	56	56	57	56	56	56	57	25	25	25	25	-	876
Out	1	-	-	-	-	-	-	-	-	25	25	25	25	56	56	56	57	56	56	56	57	56	56	56	57	56	56	56	57	25	25	25	25	-	876
Method of Implementation: Contractor Field Mod Team : Installation Name: AF Inlet Mod Kits																																			
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.516	- / -	- / -	4 / 2.516																						
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 5.464	- / -	12 / 5.464																						
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 10.320	24 / 10.320																						
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	163 / 71.593	163 / 71.593																						
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.516	- / -	12 / 5.464	187 / 81.913																						
Installation Schedule																																			
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019									
		Q1	Q2	Q3	Q4	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	-	-	-	-	3	3	3	3	187	203				
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	3	3	3	3	187	203				
Method of Implementation: Contractor Field Mod Team : Installation Name: Engine Kits																																			
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 1: Engine Surge (OSIP 003-03)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: Engine Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	25 / 0.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.350
FY 2015	- / -	- / -	- / -	25 / 0.130	- / -	25 / 0.130	- / -	- / -	- / -	- / -	- / -	25 / 0.130
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.133	- / -	- / -	- / -	- / -	25 / 0.133
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.135	- / -	- / -	- / -	25 / 0.135
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.138	- / -	- / -	25 / 0.138
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.140	- / -	25 / 0.140
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	220 / 33.199	220 / 33.199
Total	- / -	- / -	25 / 0.350	25 / 0.130	- / -	25 / 0.130	25 / 0.133	25 / 0.135	25 / 0.138	25 / 0.140	220 / 33.199	370 / 34.225

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	7	6	6	6	7	6	6	6	7	6	6	6	7	6	6	6	7	6	6	6	7	220	370
Out	-	-	-	-	-	6	6	6	7	6	6	6	7	6	6	6	7	6	6	6	7	6	6	6	7	6	6	6	7	220	370

Method of Implementation (Organic): Organic - Engine Kits O & I Level

Installation Quantity: 405

Footnotes:

(14) 1. 17 of the 18 HSRIP kits procured in prior years will not be installed unless funding is approved for HSRIP. 2. Airframe Kits total quantity reduced by 300 units due to cancellation of battery upgrade (FY15 = 50 units, FY16 = 50, FY17 = 100, and FY18 = 100). 3. 100 Static Inverter Airframe Kits removed from FY15 and moved to FY19 increasing total cost by \$60K due to inflation.

(15) FY17 decreased to zero (0) kit buys due to miscellaneous adjustments, resulting in one (1) year delay to kit procurement. Installs modified to align with new A kit procurement schedule.

(16) FY14 funds procurement of 41 Dashpot Acceleration Switch Modification (DAS Mod) kits at \$0.176M; FY15 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. FY18 Cost and Total cost increased as a result of delay in kits buys for DAS Mod and Correct Rotation System. Quantity and Cost of FY18 O&I Level - Organic kits increased to account for delayed kit buys.

(17) FY14 Engines Surge OSIP 03-03 NRE increase is due to miscellaneous adjustments in T45 Inlet Mod being approved to incorporate Airframe Inlet Mod as an engine surge/stall mitigation.

(18) Increase in Data support from FY15 (\$0.153M) to FY16 (\$1.287M) 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. The increase in Data support from FY16 (\$1.287M) to FY17 (\$2.461M) continues efforts to update all T-45 publications.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
⁽¹⁹⁾ This increase 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 begin procurement of initial support equipment for the modified airframe inlet. Increase in Support Equipment N/R from FY14 (\$2.998M) to FY15 (\$6.918M) continues procurement for Support Equipment N/R which began in FY14. ⁽²⁰⁾ ILS was previously accounted under 3.5 Other Support. Starting in FY15, it is being properly accounted under its own element. ⁽²¹⁾ ILS was previously accounted under 3.5 Other Support. Starting in FY15, it is being properly accounted under its own element. Cost fluctuation in FY14 to FY16 reflects Navy decision to fund POM14 Issue to implement Airframe Inlet modifications to mitigate the engine surge/stall safety issue.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	183.285	20.502	20.483	22.649	-	22.649	24.631	28.295	24.087	17.806	34.911	376.649
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	183.285	20.502	20.483	22.649	-	22.649	24.631	28.295	24.087	17.806	34.911	376.649
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	183.285	20.502	20.483	22.649	-	22.649	24.631	28.295	24.087	17.806	34.911	376.649
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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, Aircraft Data Recorders (ADR, SDC, ASDC) on each aircraft. The DDS, which includes the Digital Acquisition Unit, the Control Panel (CP), and associated wiring, will be installed on all T-45C aircraft.

AVIONICS/GROUND BASED TRAINING SYSTEMS: Modifications to the Avionics will be required to update the Display Unit, Heads-Up Display, Global Positioning System, Inertial Navigation Assembly and those avionic components associated with the affected aircraft systems to include associated software updates. 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: FY14 and out provides funds for MFCD and DDS procurement kits.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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: Avionics Obsolescence (OSIP 017-04)												
A Kits												
Recurring												
1.1.1) RAMP KITS - NonOrganic ⁽²²⁾	70 / 52.610	- / 0.710	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 53.320
1.1.2) Obsolescence Kits - NonOrganic	415 / 10.006	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	415 / 10.006
1.1.3) DDS (CSMU/CP/DAU) - NonOrganic ⁽²³⁾	86 / 0.000	- / -	21 / 0.171	28 / 0.233	- / -	28 / 0.233	34 / 0.288	31 / 0.285	- / -	- / -	- / -	200 / 0.977
1.1.4) Obsolescence Kits (O & I) Level - Organic	871 / 9.217	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	871 / 9.217
Subtotal: Recurring	- / 71.833	- / 0.710	- / 0.171	- / 0.233	- / -	- / 0.233	- / 0.288	- / 0.285	- / -	- / -	- / -	- / 73.520
Non-Recurring												
1.2.1) NR Engineering - Organic	- / 16.636	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.636
1.2.2) Radar Altimeter - Organic ⁽²⁴⁾	- / -	- / -	- / -	- / 0.300	- / -	- / 0.300	- / 0.200	- / -	- / -	- / -	- / -	- / 0.500
1.2.3) OFT ECP - Organic	- / -	- / -	- / 0.340	- / -	- / -	- / -	- / -	- / 0.270	- / -	- / 0.249	- / -	- / 0.859
Subtotal: Non-Recurring	- / 16.636	- / -	- / 0.340	- / 0.300	- / -	- / 0.300	- / 0.200	- / 0.270	- / -	- / 0.249	- / -	- / 17.995
B Kits												
Recurring												
2.1.1) MFCD ECP-277 - Organic ⁽²⁵⁾	280 / 10.728	162 / 7.176	130 / 5.967	130 / 5.915	- / -	130 / 5.915	- / -	- / -	- / -	- / -	- / -	702 / 29.786
2.1.2) DDS (CSMU/CP/DAU) ECP-296JR1 - Organic ⁽²⁶⁾	86 / 0.000	- / -	21 / 2.399	28 / 3.261	- / -	28 / 3.261	34 / 4.036	31 / 3.992	- / -	- / -	- / -	200 / 13.688
2.1.3) DDS (MDTU) - Organic ⁽²⁷⁾	- / -	- / -	- / -	240 / 0.137	- / -	240 / 0.137	- / -	- / -	- / -	- / -	- / -	240 / 0.137
2.1.4) DDS (WIRELESS) - NonOrganic ⁽²⁸⁾	- / -	- / -	- / -	- / -	- / -	- / -	130 / 6.466	130 / 6.588	121 / 6.314	21 / 1.294	- / -	402 / 20.662
2.1.5) Subsystems ECP - Organic ⁽²⁹⁾	- / -	- / -	- / -	- / -	- / -	- / -	25 / 3.033	24 / 2.959	29 / 3.564	37 / 4.606	3 / 0.370	118 / 14.532
2.1.6) DMSMS ECPs - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	117 / 3.778	103 / 3.451	141 / 4.554	- / -	361 / 11.783
2.1.7) Radar Altimeter - Organic ⁽³⁰⁾	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.424	60 / 0.648	60 / 0.660	41 / 0.459	- / -	201 / 2.191
2.1.8) Archived B Kits - Organic	544 / 22.481	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	544 / 22.481
Subtotal: Recurring	- / 33.209	- / 7.176	- / 8.366	- / 9.313	- / -	- / 9.313	- / 13.959	- / 17.965	- / 13.989	- / 10.913	- / 0.370	- / 115.260
Non-Recurring												
2.2.1) DDS (MDTU) - Organic ⁽³¹⁾	- / -	- / 0.100	- / 0.700	- / 0.450	- / -	- / 0.450	- / -	- / -	- / -	- / -	- / -	- / 1.250
2.2.2) DDS (WIRELESS) - Organic ⁽³²⁾	- / -	- / -	- / -	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / 2.000
2.2.3) GINA ECP-5007NG - Organic ⁽³³⁾	- / -	- / 2.500	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.500
2.2.4) MDP Software - Organic ⁽³⁴⁾	- / -	- / -	- / 1.358	- / 1.600	- / -	- / 1.600	- / 1.100	- / -	- / -	- / -	- / -	- / 4.058

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
2.2.5) JMPS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.000	- / -	- / -	- / -	- / -	- / 3.000
2.2.7) DMSMS ECPs - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.914	- / 3.156	- / -	- / -	- / 6.070
2.2.9) MFCD - Organic ⁽³⁵⁾	- / -	- / 0.115	- / 0.131	- / 0.132	- / -	- / 0.132	- / -	- / -	- / -	- / -	- / -	- / 0.378
Subtotal: Non-Recurring	- / 0.000	- / 2.715	- / 3.189	- / 4.182	- / -	- / 4.182	- / 4.100	- / 2.914	- / 3.156	- / -	- / -	- / 20.256
Subtotal: Avionics Obsolescence (OSIP 017-04)	2,352 / 121.678	162 / 10.601	172 / 12.066	426 / 14.028	- / -	426 / 14.028	263 / 18.547	393 / 21.434	313 / 17.145	240 / 11.162	3 / 0.370	4,324 / 227.031
Subtotal: Procurement, All Modification Items	- / 121.678	- / 10.601	- / 12.066	- / 14.028	- / -	- / 14.028	- / 18.547	- / 21.434	- / 17.145	- / 11.162	- / 0.370	- / 227.031
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 ⁽³⁶⁾	- / 9.773	- / 1.971	- / 2.248	- / 2.496	- / -	- / 2.496	- / 2.502	- / 2.592	- / 2.640	- / 2.688	- / 11.376	- / 38.286
3.6) Other Support	- / 13.092	- / 2.390	- / 3.428	- / 3.482	- / -	- / 3.482	- / 3.317	- / 2.501	- / 2.529	- / 2.575	- / 22.829	- / 56.143
Subtotal: Support	- / 53.292	- / 4.411	- / 5.726	- / 6.028	- / -	- / 6.028	- / 5.869	- / 5.143	- / 5.219	- / 5.313	- / 34.505	- / 125.506
Installation												
Modification Item 1 of 1: Avionics Obsolescence (OSIP 017-04)	- / 8.315	- / 5.490	- / 2.691	- / 2.593	- / -	- / 2.593	- / 0.215	- / 1.718	- / 1.723	- / 1.331	- / 0.036	- / 24.112
Subtotal: Installation	- / 8.315	- / 5.490	- / 2.691	- / 2.593	- / -	- / 2.593	- / 0.215	- / 1.718	- / 1.723	- / 1.331	- / 0.036	- / 24.112
Total												
Total Cost (Procurement + Support + Installation)	183.285	20.502	20.483	22.649	-	22.649	24.631	28.295	24.087	17.806	34.911	376.649

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Boeing - RAMP Kits				Manufacturer Location: >St Louis, MO			
Administrative Leadtime (<i>in Months</i>): 12				Production Leadtime (<i>in Months</i>): 24			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Manufacturer Name: Various - Obsolescence Kits ⁽³⁷⁾				Manufacturer Location: >Various			
Administrative Leadtime (<i>in Months</i>): 0				Production Leadtime (<i>in Months</i>): 0			

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Manufacturer Name: Physical Optics CORP - DDS (CSMU/CP/DAU)				Manufacturer Location: >Torrance, CA			
Administrative Leadtime (<i>in Months</i>): 1				Production Leadtime (<i>in Months</i>): 12			

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Oct 2013	Oct 2014	Oct 2015	Oct 2016		
Delivery Dates		Oct 2014	Oct 2015	Oct 2016	Oct 2017		

Manufacturer Name: Physical Optics CORP - DDS (Wireless)				Manufacturer Location: >Torrance, CA			
Administrative Leadtime (<i>in Months</i>): 1				Production Leadtime (<i>in Months</i>): 12			

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates				Oct 2015	Oct 2016	Oct 2017	Oct 2018
Delivery Dates				Oct 2016	Oct 2017	Oct 2018	Oct 2019

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: RAMP KITS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 8.315	9 / 4.794	7 / 1.747	8 / 1.748	- / 0.000	8 / 1.748	- / -	- / -	- / -	- / -	- / -	70 / 16.604
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: RAMP KITS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	46 / 8.315	9 / 4.794	7 / 1.747	8 / 1.748	- / -	8 / 1.748	- / -	- / -	- / -	- / -	- / -	70 / 16.604

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	2	2	2	1	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70
Out	46	2	2	2	3	2	2	2	1	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70

Method of Implementation: Contractor Depot Field Mod Team : Installation Name: Obsolescence Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.309	- / 0.000	96 / 0.309	- / -	- / -	- / -	- / -	- / -	415 / 1.673
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	134 / 0.680	185 / 0.684	96 / 0.309	- / -	96 / 0.309	- / -	- / -	- / -	- / -	- / -	415 / 1.673

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Depot Field Mod Team : Installation Name: Obsolescence Kits

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	33	33	35	31	31	61	62	24	24	24	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
Out	-	33	33	33	35	31	31	61	62	24	24	24	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415

Method of Implementation: Contractor Field Mod Team : Installation Name: DDS (CSMU/CP/DAU)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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	2 / 0.016	34 / 0.260	49 / 0.375	- / 0.000	49 / 0.375	- / -	- / -	- / -	- / -	- / -	86 / 0.651
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	21 / 0.161	- / -	21 / 0.161	- / -	- / -	- / -	- / -	- / -	21 / 0.161
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.215	- / -	- / -	- / -	- / -	28 / 0.215
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 0.260	- / -	- / -	- / -	34 / 0.260
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 0.238	- / -	- / -	31 / 0.238
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.000	2 / 0.016	34 / 0.260	70 / 0.536	- / -	70 / 0.536	28 / 0.215	34 / 0.260	31 / 0.238	- / -	- / -	200 / 1.525

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	5	14	15	17	17	18	18	7	7	7	7	9	9	9	7	8	8	8	7	-	-	-	-	-	200
Out	1	-	-	2	-	-	5	14	15	17	17	18	18	7	7	7	7	9	9	9	7	8	8	8	7	-	-	-	-	-	200

Method of Implementation: Contractor Field Mod Team : Installation Name: DDS (WIRELESS)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2015 Navy										Date: March 2014																					
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)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Contractor Field Mod Team : Installation Name: DDS (WIRELESS)																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 1.458	- / -	- / -	- / -	130 / 1.458																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 1.485	- / -	- / -	130 / 1.485																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	121 / 1.331	- / -	121 / 1.331																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 0.036	21 / 0.036																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 1.458	130 / 1.485	121 / 1.331	21 / 0.036	402 / 4.310																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	33	32	32	33	33	32	32	31	30	30	30	21	402
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	33	32	32	33	33	32	32	31	30	30	30	21	402
Method of Implementation (Organic): Organic - Obsolescence Kits (O & I) Level																				Installation Quantity: 871											
Method of Implementation (Organic): Organic - MFCD ECP-277																				Installation Quantity: 702											
Method of Implementation (Organic): Organic - DDS (CSMU/CP/DAU) ECP-296JR1																				Installation Quantity: 200											
Method of Implementation (Organic): Organic - DDS (MDTU)																				Installation Quantity: 240											
Method of Implementation (Organic): Organic - Subsystems ECP																				Installation Quantity: 118											
Method of Implementation (Organic): Organic - DMSMS ECPs																				Installation Quantity: 361											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - Radar Altimeter		Installation Quantity: 201
Method of Implementation (Organic): Not Installed - Archived B Kits		Installation Quantity: 544
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 6
Footnotes: (22) Miscalculation of the budgeted FY13 installation cost led to higher actuals. RAMP installs require approximately 2.000 hours more than expected to complete the installs due to the age of the aircraft; increase in FY15 to reflect this increase. (23) Testing delays and software deficiencies delayed fleet installs. (24) Nomenclature changed to reflect actual procurement. Decrease in total cost based on more defined requirement. (25) Increase in total quantities based on actual number of aircraft. 4 MFCD required per aircraft. (26) Prior year calculated in error under DDS Increment I, actual procurement under Obsolescence. Nomenclature changes to reflect actual kit type. Due to FY13 CAC mark procurement slid from FY13 to FY14 thru To Complete. Total quantity increased due to installation of DDS into all VMTS equipped aircraft. (27) Nomenclature changes to reflect actual kit type. (28) Nomenclature changes to reflect actual kit type. Total quantity increased based on 2 kits per aircraft. PB14 showed 1 kit per aircraft in error. There are two parts to the DDS Wireless install (antennas and ground stations). The 21 installs in to complete are antennas which require less labor thus less install costs. (29) Decrease in quantities based on further defined requirements. (30) Nomenclature changes to reflect actual kit type. Increase in quantities based on further defined requirements. (31) Nomenclature changes to reflect actual kit type. DDS - In FY 13 due to a Program Office decision to accept the risk of going on contract for the production of DDS units prior to the completion of Flight Test, a software update is required due to deficiency reports generated during test . This Correction of Deficiencies will allow the recording of Launch Load events and Roll Acceleration for use by NAVAIR Structures component lifing. Due to delay in contracting actions requirement slid from FY13/14 to FY14/15. (32) Nomenclature changes to reflect actual kit type. (33) Increase in FY13 was for Software update for GINA required to correct mis-compare/loss of velocity vector, improve mini-bias, update magnetic variation coefficients and modify plasma starts. These corrections were necessary as a result of an Engineering Investigation that was conducted in 2012 to address Fleet Issues associated with Carrier Qualification detachments. Increase in FY14 based on delay in contracting actions and receipt of Rough Order of Magnitude (ROM). (34) Increase in FY15 based on receipt of Rough Order of Magnitude (ROM). (35) New cost element due to step ladder pricing and the need to separately price the CDRLs. Increase from FY13 to FY14 due to additional CDRL requirements. (36) In FY 13 to FY 14 ILS (CE 3.3) exceeds OSD/OMB inflation rate due to funds were erroneously placed under NR instead of ILS. Increase from FY14 to FY15 is due to an increase in Level of Effort for FY15. Decrease in FY16 and out based on further defined requirements. (37) Manufacturers, ALT and PLT are various		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	61.746	5.062	0.550	-	-	-	-	-	-	-	-	67.358
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	61.746	5.062	0.550	-	-	-	-	-	-	-	-	67.358
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	61.746	5.062	0.550	-	-	-	-	-	-	-	-	67.358
(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)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Description:

With the T-2 and T-39 divestiture in 2008 and 2012 respectively, the training command cannot 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 will modify 19 aircraft to incorporate Virtual Mission Training System (VMTS) into the curriculum. The effort will include two phases of integration to incorporate a commercial off the shelf synthetic radar system into the T-45. Phase I includes 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 includes determining the integration requirements for increased A/G fidelity simulation and weapons sensors simulation while also completing the Phase II integration effort. Four kits will be utilized for testing and will initially be delivered to Pensacola for Instructor training and syllabus evaluation.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FY07-11 provided funding for 2 prototypes, NRE, and 3 FOT&E kits. FY12 provided funding for 12 procurement kits that require a 12 month lead time before delivery. FY13 funds the remaining Ground Stations, NRE, installation of production kits, and support for CE 3.1 - 3.6; FY14 funds installations of kits.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: Synthetic Radar (OSIP 002-06)</i>												
A Kits												
Recurring												
1.1.1) VMTS - NonOrganic ⁽³⁸⁾	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 ⁽³⁹⁾	- / 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	- / 12.791	- / 1.374	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.165
<i>Subtotal: Non-Recurring</i>	- / 12.791	- / 1.374	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.165
<i>Subtotal: Synthetic Radar (OSIP 002-06)</i>	34 / 42.260	- / 1.374	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 43.634
<i>Subtotal: Procurement, All Modification Items</i>	- / 42.260	- / 1.374	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 43.634
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 1.871	- / 0.165	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.036
3.3) Training Equipment	6 / 1.021	3 / 1.024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.045
3.4) Support Equipment N/R	- / 5.477	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.477
3.5) ILS	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500
3.6) Other Support	- / 9.897	- / 1.499	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.396
<i>Subtotal: Support</i>	- / 18.766	- / 2.688	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.454
Installation												
<i>Modification Item 1 of 1: Synthetic Radar (OSIP 002-06)</i>	- / 0.720	- / 1.000	- / 0.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.270
<i>Subtotal: Installation</i>	- / 0.720	- / 1.000	- / 0.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.270
Total												
Total Cost (Procurement + Support + Installation)	61.746	5.062	0.550	-	-	-	-	-	-	-	-	67.358

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
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)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Boeing - VMTS							Manufacturer Location: >St. Louis																								
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 12																								
Dates	FY 2013			FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019												
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Contractor Field Mod Team : Installation Name: VMTS																															
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.720	1 / 1.000	10 / 0.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 2.270																			
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	4 / 0.720	1 / 1.000	10 / 0.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 2.270																			
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	1	-	-	3	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Out	4	-	1	-	-	3	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Method of Implementation (Organic): Not Installed - VMTS Equipment																				Installation Quantity: 17											
Method of Implementation (Organic): Not Installed - Training Equipment																				Installation Quantity: 9											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
Footnotes: ⁽³⁸⁾ - Program of Record changes have resulted in 15 of the 17 kits being required; thus the remaining 2 kits are not planned to be installed. This will result in total kit installs not matching total kits procured. Prior year installation cost updated to reflect the 2 Validation kits installed. Since FY14 is the last year for this effort, FY13 install funds will be used for the remaining installs in FY14. ⁽³⁹⁾ Prior year total in CE 1.2.1 decreased from previous PB14 submit due to corrected contract prices which realigned funds between CE 1.1.1, 2.1.1 and 2.2.1. Changes in multiple CE Prior Year totals are thus impacted.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	11.305	23.293	-	23.293	26.093	22.442	45.669	41.728	402.222	572.752
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	11.305	23.293	-	23.293	26.093	22.442	45.669	41.728	402.222	572.752
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	11.305	23.293	-	23.293	26.093	22.442	45.669	41.728	402.222	572.752
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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% 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: For OSD14 budget submit, the SLEP OSIP 22-14 was created to execute FY14 through to complete. It was previously fully funded under OSIP 08-95. 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-13 are covered under OSIP 08-95. SLEP tasks beginning in FY-14 and out are covered under OSIP 22-14.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽⁴⁰⁾	- / -	- / -	- / -	2 / 13.104	- / -	2 / 13.104	- / -	- / -	3 / 20.229	5 / 34.318	50 / 357.588	60 / 425.239	
1.1.2) SLEP Seed Wings - NonOrganic ⁽⁴¹⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 17.280	1 / 17.600	- / -	- / -	2 / 34.880	
1.1.3) Subsystem SLEP - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.778	6 / 0.792	- / -	- / -	12 / 1.570	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 13.104	- / -	- / 13.104	- / -	- / 18.058	- / 38.621	- / 34.318	- / 357.588	- / 461.689	
Non-Recurring													
1.2.1) Structural SLEP NRE - Organic ⁽⁴²⁾	- / -	- / -	- / 9.393	- / 8.219	- / -	- / 8.219	- / 12.416	- / 0.833	- / 1.365	- / 1.405	- / -	- / 33.631	
1.2.2) Subsystem SLEP NRE - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.500	- / 1.200	- / 1.224	- / -	- / -	- / 4.924	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 9.393	- / 8.219	- / -	- / 8.219	- / 14.916	- / 2.033	- / 2.589	- / 1.405	- / -	- / 38.555	
Subtotal: Service Life Extension Program (SLEP) (022-14)	- / -	- / -	- / 9.393	2 / 21.323	- / -	2 / 21.323	- / 14.916	7 / 20.091	10 / 41.210	5 / 35.723	50 / 357.588	74 / 500.244	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 9.393	- / 21.323	- / -	- / 21.323	- / 14.916	- / 20.091	- / 41.210	- / 35.723	- / 357.588	- / 500.244	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.080	- / 1.120	- / 1.200	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment ⁽⁴³⁾	- / -	- / -	- / 0.250	- / 0.255	- / -	- / 0.255	- / 2.773	- / 0.265	- / 0.271	- / 1.555	- / 0.377	- / 5.746	
3.5) ILS	- / -	- / -	- / 0.200	- / 0.204	- / -	- / 0.204	- / 0.208	- / 0.212	- / 0.216	- / 0.221	- / 1.325	- / 2.586	
3.6) Other Support/ETS & MSS	- / -	- / -	- / 0.357	- / 0.364	- / -	- / 0.364	- / 0.371	- / 0.379	- / 0.387	- / 0.394	- / 4.740	- / 6.992	
3.7) Other Support/Field Activities	- / -	- / -	- / 1.105	- / 1.147	- / -	- / 1.147	- / 1.465	- / 1.495	- / 1.524	- / 1.551	- / 18.216	- / 26.503	
3.8) Other Support/SLEP Integration Test	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.269	- / -	- / -	- / 1.269	
Subtotal: Support	- / 0.000	- / -	- / 1.912	- / 1.970	- / -	- / 1.970	- / 4.817	- / 2.351	- / 3.667	- / 3.801	- / 25.778	- / 44.296	
Installation													
Modification Item 1 of 1: Service Life Extension Program (SLEP) (022-14)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 6.360	- / -	- / 0.792	- / 2.204	- / 18.856	- / 28.212	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 6.360	- / -	- / 0.792	- / 2.204	- / 18.856	- / 28.212	
Total													

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	-	11.305	23.293	-	23.293	26.093	22.442	45.669	41.728	402.222	572.752

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Boeing - Structural SLEP, SLEP Seed Wing, Subsystem SLEP ⁽⁴⁴⁾	Manufacturer Location: >St. Louis
Administrative Leadtime (<i>in Months</i>): 0	Production Leadtime (<i>in Months</i>): 0

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: SLEP Installs

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.360	- / -	- / -	- / -	- / -	2 / 6.360
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.792	1 / 0.081	- / -	7 / 0.873
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.123	1 / 0.165	10 / 2.288
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.371	5 / 2.371
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 16.320	50 / 16.320
Total	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.360	- / -	6 / 0.792	10 / 2.204	56 / 18.856	74 / 28.212

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	3	3	3	3	56	74
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	2	2	2	1	3	3	3	3	56	74

Footnotes:

⁽⁴⁰⁾ FY16 kits are for validation/verification with an increased install cost associated. Break in recurring kit buys until FY18 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 2 Val/Ver vs originally planned 4 and start recurring procurements in FY18. Total kit qtls unchanged.

⁽⁴¹⁾ Variance in install cost is due to complexity of kit.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

(42) The FY14 NRE costs for SLEP are associated with Phase 1B, the designing, developing, and qualifying of SLEP kits. Fluctuation of NRE cost FY15-FY19 is due to SLEP NRE phase 1B program phasing. 1.2.1 reduction in FY15 NRE due to miscellaneous adjustments.

(43) FY16 increase in SLEP NRE due to standing up Depot SE for Val/Ver. FY19 increase is due to SLEP kits and associated support equipment moving from to complete to FY19.

(44) Will be installed concurrently. Various contract dates, ALT and PLT

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	10.600	27.258	40.068	66.272	104.249	248.447
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	10.600	27.258	40.068	66.272	104.249	248.447
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	10.600	27.258	40.068	66.272	104.249	248.447
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

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, called NextGen 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.

RASP (Required Avionics Sustainment Program) Phase I (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 190 T-45 aircraft and 18 simulators to meet FAA NAS mandates. This includes the upgrade or replacement of GINA (Global Position System/Inertial Navigation Assembly), the replacement of the APX-100 Transponder with associated data bus connectivity, antennas, and an update to the Mission Display Processor Operational Flight Program (MDP/OFP), 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: Beginning in FY 16 award Integration Contract to acquire lab assets and a separate effort to start the software coding at the System Support Activity (SSA) at China Lake. This includes the upgrade or replacement of GINA (Global Position System/Inertial Navigation Assembly), the replacement of the APX-100 Transponder with associated data bus connectivity, antennas, and an update to the Mission Display Processor Operational Flight Program (MDP/OFP), simulator and support equipment.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽⁴⁵⁾	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.033	3 / 0.050	20 / 0.330	78 / 1.310	94 / 1.580	197 / 3.303	
1.1.2) GPS - NonOrganic ⁽⁴⁶⁾	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.053	3 / 0.079	20 / 0.528	78 / 2.097	94 / 2.528	197 / 5.285	
1.1.3) Antennas - NonOrganic ⁽⁴⁷⁾	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.002	3 / 0.002	20 / 0.031	78 / 0.122	94 / 0.147	197 / 0.304	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.088	- / 0.131	- / 0.889	- / 3.529	- / 4.255	- / 8.892	
Non-Recurring													
1.2.1) A kit N/R - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.948	- / 4.893	- / 5.813	- / 1.175	- / -	- / 14.829	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.948	- / 4.893	- / 5.813	- / 1.175	- / -	- / 14.829	
B Kits													
Recurring													
2.1.1) Transponder - Organic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.169	3 / 0.254	20 / 1.724	78 / 6.727	94 / 8.110	197 / 16.984	
2.1.2) GPS - Organic ⁽⁴⁸⁾	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.088	3 / 0.131	20 / 2.662	78 / 10.571	94 / 12.744	197 / 26.196	
2.1.3) Antennas - Organic ⁽⁴⁹⁾	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.015	3 / 0.023	20 / 0.154	78 / 0.612	94 / 0.737	197 / 1.541	
2.1.4) Ground Based Training System - NonOrganic ⁽⁵⁰⁾	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.540	2 / 2.196	4 / 4.100	6 / 1.680	6 / 1.680	20 / 10.196	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.812	- / 2.604	- / 8.640	- / 19.590	- / 23.271	- / 54.917	
Non-Recurring													
2.2.1) RASP MDP Software - Organic ⁽⁵¹⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.100	- / 4.600	- / 4.664	- / 2.340	- / -	- / 12.704	
2.2.2) B Kit N/R - Organic ⁽⁵²⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.847	- / 5.060	- / 5.114	- / 1.313	- / -	- / 14.334	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 3.947	- / 9.660	- / 9.778	- / 3.653	- / -	- / 27.038	
Subtotal: Required Avionics Sustainment Program (RASP) (006-16)	- / -	- / -	- / -	- / -	- / -	- / -	14 / 7.795	20 / 17.288	124 / 25.120	474 / 27.947	570 / 27.526	1,202 / 105.676	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 7.795	- / 17.288	- / 25.120	- / 27.947	- / 27.526	- / 105.676	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data ⁽⁵³⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.483	- / 1.557	- / 1.869	- / 2.154	- / 3.580	- / 9.643	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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LI 0569 - T-45 Series
Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: TBD - Transponder, GPS, and Antennas,							Manufacturer Location: >TBD					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates						Oct 2017	Oct 2018					
Delivery Dates						Oct 2018	Oct 2019					
Manufacturer Name: TBD - Ground Based Training Systems							Manufacturer Location: >TBD					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates				Oct 2015	Oct 2016	Oct 2017	Oct 2018					
Delivery Dates				Nov 2016	Oct 2017	Oct 2018	Oct 2019					
Installation Information												
Method of Implementation: Contractor Field Mod Team : Installation Name: Transponder, GPS, Antennas												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.000	- / -	- / -	- / -	9 / 1.000
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 6.840	- / -	- / -	60 / 6.840
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	234 / 26.920	- / -	234 / 26.920
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	267 / 60.000	267 / 60.000
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.000	60 / 6.840	234 / 26.920	267 / 60.000	570 / 94.760

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: Transponder, GPS, Antennas

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	6	-	6	27	27	30	66	69	69	267	570
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6	-	6	27	27	30	66	69	69	267	570

Method of Implementation: CONTRACTOR FIELD MOD TEAM : Installation Name: Ground Based Training System

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.616	- / -	- / -	2 / 0.616
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.110	- / -	- / -	2 / 0.110
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.224	- / -	4 / 0.224
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.342	6 / 0.342
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.342	6 / 0.342
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.616	2 / 0.110	4 / 0.224	20 / 1.634

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	1	1	12	20
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	1	1	1	1	12	20

Method of Implementation (Organic): Not Installed - Transponder

Installation Quantity: 197

Method of Implementation (Organic): Not Installed - GPS

Installation Quantity: 197

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Antennas		Installation Quantity: 197
Footnotes: (45) 2 Transponders procured in FY 2016 are lab assets only and will not be installed in aircraft. (46) 2 GPS procured in FY 2016 are lab assets only and will not be installed in aircraft. (47) 2 Antennas procured in FY 2016 are ESIL lab assets only and will not be installed in aircraft. Fluctuations in unit cost over FY 2017 thru FY 2019 are due differing wiring requirements for aircraft testing in FY 2017, LRIP in FY 2018, and Full Rate Production in FY 2019. (48) 2 procured in FY 2016 are ESIL lab assets only and will not be installed in aircraft. Fluctuations in unit cost over FY 2017 thru FY 2019 are due differing wiring requirements for aircraft testing in FY 2017, LRIP in FY 2018, and Full Rate Production in FY 2019. (49) 2 Antennas procured in FY 2016 are ESIL lab assets only and will not be installed in aircraft. Fluctuations in unit cost over FY 2017 thru FY 2019 are due differing wiring requirements for aircraft testing in FY 2017, LRIP in FY 2018, and Full Rate Production in FY 2019. (50) Unit cost increase in FY17 and FY18 due to simulator software updates and integration (51) Increase in FY 2017 due to software changes and test for ADS-B. Increase in FY 2018 due to Correction of Deficiencies for ADS-B and addition of RNP-RNAV (52) Increase in FY 2017 and FY 2018 due to Systems Engineering Technical Review (SETR) events, corrections of deficiencies, and LRIP. (53) The fluctuation in cost from FY 2016 to FY 2017 is due to testing in FY 2017, and Stage 4 Spectrum Allocation, AIMS, and FAA certifications required in FY 2018. (54) Fluctuations in unit 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. (55) Fluctuations in unit 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.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy	Date: March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	542.535	14.630	22.999	19.094	-	19.094	20.287	20.634	20.957	21.378	19.500	702.014
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	542.535	14.630	22.999	19.094	-	19.094	20.287	20.634	20.957	21.378	19.500	702.014
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	542.535	14.630	22.999	19.094	-	19.094	20.287	20.634	20.957	21.378	19.500	702.014
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 FY2015 is to continue modification efforts previously initiated on the engines for the AV-8B, F/A-18C/D & E/F, EA-18G, S-3, 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-1N, AH-1W and V-22.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Power Plant Changes	P-3a		-	-	542.535	-	-	14.630	-	-	22.999	-	-	19.094	-	-	-	-	-	19.094
Total Gross/Weapon System Cost			-	-	542.535	-	-	14.630	-	-	22.999	-	-	19.094	-	-	-	-	-	19.094
Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Power Plant Changes	P-3a		-	-	20.287	-	-	20.634	-	-	20.957	-	-	21.378	-	-	19.500	-	-	702.014
Total Gross/Weapon System Cost			-	-	20.287	-	-	20.634	-	-	20.957	-	-	21.378	-	-	19.500	-	-	702.014

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
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:
*For the P-3a, Title represents the Modification Number / Title.		
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.		
Justification: 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	542.535	14.630	22.999	19.094	-	19.094	20.287	20.634	20.957	21.378	19.500	702.014
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	542.535	14.630	22.999	19.094	-	19.094	20.287	20.634	20.957	21.378	19.500	702.014
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	542.535	14.630	22.999	19.094	-	19.094	20.287	20.634	20.957	21.378	19.500	702.014
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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, J52 Engine, EA-6B, J85 Engine, T-38 and T-2, T400 Engine AH-1W and UH-1N, T406 Engine, V-22, T56 Engine, P-3, C-2, E-2 and C130, T58 Engine, H-3 and H-46, T-64 Engine, H-63, T700 Engine, H-60 and AH-1 and TF34 Engine S-3 and the F-35 starting in FY15.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) F402 AV8B - NonOrganic	- / 22.144	- / 2.352	- / 1.577	- / 1.605	- / -	- / 1.605	- / 1.500	- / 1.500	- / 1.700	- / 1.700	- / 2.000	- / 36.078	
2.1.2) F404 F/A 18 - NonOrganic	- / 20.410	- / 1.189	- / 0.980	- / 1.300	- / -	- / 1.300	- / 1.000	- / 1.000	- / 1.000	- / 1.000	- / 1.000	- / 28.879	
2.1.3) F414 F/A 18 E/F - NonOrganic	- / 18.213	- / 0.658	- / 1.722	- / 1.240	- / -	- / 1.240	- / 1.024	- / 1.024	- / 1.200	- / 1.200	- / 1.000	- / 27.281	
2.1.4) J85 - NonOrganic ⁽¹⁾	- / -	- / 0.390	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.390	
2.1.5) T56 P3, C2, E2, C130 - NonOrganic ⁽²⁾	- / 54.412	- / 3.125	- / 5.648	- / 3.212	- / -	- / 3.212	- / 4.709	- / 4.670	- / 4.565	- / 4.552	- / 7.000	- / 91.893	
2.1.6) T64 H53 - NonOrganic ⁽³⁾	- / 31.989	- / 0.365	- / 5.304	- / 4.411	- / -	- / 4.411	- / 4.550	- / 4.550	- / 4.000	- / 4.000	- / 8.000	- / 67.169	
2.1.7) T700 H60 - NonOrganic	- / 45.750	- / -	- / 2.511	- / 1.408	- / -	- / 1.408	- / 0.750	- / 0.750	- / 1.500	- / 1.500	- / 0.500	- / 54.669	
2.1.8) Completed ECPs from prior years - NonOrganic	9,999 / 244.439	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9,999 / 244.439	
2.1.9) Installation Equipment N/R - NonOrganic ⁽⁴⁾	9,999 / 0.164	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9,999 / 0.164	
Subtotal: Recurring	- / 437.521	- / 8.079	- / 17.742	- / 13.176	- / -	- / 13.176	- / 13.533	- / 13.494	- / 13.965	- / 13.952	- / 19.500	- / 550.962	
Subtotal: Power Plant Changes	19,998 / 437.521	- / 8.079	- / 17.742	- / 13.176	- / -	- / 13.176	- / 13.533	- / 13.494	- / 13.965	- / 13.952	- / 19.500	19,998 / 550.962	
Subtotal: Procurement, All Modification Items	- / 437.521	- / 8.079	- / 17.742	- / 13.176	- / -	- / 13.176	- / 13.533	- / 13.494	- / 13.965	- / 13.952	- / 19.500	- / 550.962	
Support (All Modification Items)													
3.1) Data	- / 0.887	- / 0.065	- / 0.051	- / 0.052	- / -	- / 0.052	- / 0.060	- / 0.060	- / 0.060	- / 0.060	- / -	- / 1.295	
3.2) Support equipment	- / 0.990	- / 0.051	- / 0.051	- / 0.052	- / -	- / 0.052	- / 0.060	- / 0.060	- / 0.060	- / 0.060	- / -	- / 1.384	
3.3) ILS	- / 17.123	- / 1.170	- / 1.166	- / 1.662	- / -	- / 1.662	- / 1.864	- / 2.124	- / 2.300	- / 2.300	- / -	- / 19.709	
3.4) Support Costs Other ⁽⁵⁾	- / 55.886	- / 3.222	- / 1.926	- / 2.043	- / -	- / 2.043	- / 2.786	- / 2.912	- / 2.588	- / 2.610	- / -	- / 73.973	
3.5) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 64.886	- / 4.508	- / 3.194	- / 3.809	- / -	- / 3.809	- / 4.770	- / 5.156	- / 5.008	- / 5.030	- / -	- / 96.361	
Installation													
Modification Item 1 of 1: Power Plant Changes	- / 40.128	- / 2.043	- / 2.063	- / 2.109	- / -	- / 2.109	- / 1.984	- / 1.984	- / 1.984	- / 2.396	- / -	- / 54.691	
Subtotal: Installation	- / 40.128	- / 2.043	- / 2.063	- / 2.109	- / -	- / 2.109	- / 1.984	- / 1.984	- / 1.984	- / 2.396	- / -	- / 54.691	
Total													
Total Cost (Procurement + Support + Installation)	542.535	14.630	22.999	19.094	-	19.094	20.287	20.634	20.957	21.378	19.500	702.014	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Various PPC ⁽⁶⁾														Manufacturer Location: >Various																	
Administrative Leadtime (in Months): 6														Production Leadtime (in Months): 12																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: See Notes : Installation Name: Power Plant Installations																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 / 40.128		- / -		- / -0.025		- / -0.016		- / 0.000		- / -0.016		- / -0.016		- / -0.016		- / -0.016		- / -0.016		- / 2.396		- / -		12,918 / 42.435					
FY 2013		- / -		- / 2.043		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.043					
FY 2014		- / -		- / -		- / 2.088		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.088					
FY 2015		- / -		- / -		- / -		- / 2.125		- / -		- / 2.125		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.125					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.000		- / -		- / -		- / -		- / -		- / -		- / 2.000					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.000		- / -		- / -		- / -		- / -		- / 2.000					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.000		- / -		- / -		- / -		- / 2.000					
Total		12,918 / 40.128		- / 2.043		- / 2.063		- / 2.109		- / -		- / 2.109		- / 1.984		- / 1.984		- / 1.984		- / 2.396		- / -		- / -		12,918 / 54.691					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	12,918	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,918
Out	12,918	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,918
Footnotes: ⁽¹⁾ FY13 execution change to fund USN J85-GE-21 Accessory Gearbox Carbon Seal Kit ⁽²⁾ FY13/FY14 increase due to the prop safety changes for the E2/C2. ⁽³⁾ FY13/FY14 increase due to the T64 kit purchase, unit price adjustment.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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

(4) Due to Install Costs hard-keying in PDOCS, negatives were used in the installation schedule to get correct P3A Install Costs to populate

(5) Support Cost increase due to planned support of the Joint Strike Fighter.

(6) Admin and Production Leadtimes are averages with various contract and delivery dates

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy										Date: March 2014										
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total								
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Gross/Weapon System Cost (<i>\$ in Millions</i>)	22.937	1.550	1.576	1.085	-	1.085	7.567	11.205	18.356	26.487	51.060	141.823								
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Net Procurement (P1) (<i>\$ in Millions</i>)	22.937	1.550	1.576	1.085	-	1.085	7.567	11.205	18.356	26.487	51.060	141.823								
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Total Obligation Authority (<i>\$ in Millions</i>)	22.937	1.550	1.576	1.085	-	1.085	7.567	11.205	18.356	26.487	51.060	141.823								
<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>)	-	-	-	-	-	-	-	-	-	-	-	-								
[#] The FY 2015 OCO Request will be submitted at a later date.																				
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 2015 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.																				
Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)	P-3a		-	-	22.937	-	-	1.550	-	-	1.576	-	-	1.085	-	-	-	-	-	1.085

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014							
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 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 2 / P3a AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Gross/Weapon System Cost			-	-	22.937	-	-	1.550	-	-	1.576	-	-	1.085	-	-	-	-	-	1.085	
Exhibits Schedule				FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)	P-3a		-	-	1.624	-	-	1.675	-	-	1.705	-	-	1.737	-	-	36.196	-	-	70.085	
P-3a - 2 / P3a AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)	P-3a		-	-	5.943	-	-	9.530	-	-	16.651	-	-	24.750	-	-	14.864	-	-	71.738	
Total Gross/Weapon System Cost			-	-	7.567	-	-	11.205	-	-	18.356	-	-	26.487	-	-	51.060	-	-	141.823	
*For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					

Justification:

Funding in FY15 is required for the procurement of B-kits and other support for Joint Primary Aircraft Training System retrofits.

All PY funds for B Kit Installs were negotiated contractually to be done at a 'depot' level maintenance; this level of effort required funding (Non-Organic).

FY13 and through FYDP funds for B Kit Installs 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	22.937	1.550	1.576	1.085	-	1.085	1.624	1.675	1.705	1.737	36.196	70.085
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	22.937	1.550	1.576	1.085	-	1.085	1.624	1.675	1.705	1.737	36.196	70.085
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	22.937	1.550	1.576	1.085	-	1.085	1.624	1.675	1.705	1.737	36.196	70.085
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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, 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 93 received Milestone (MS) 0 and MS I approval, August 95 received MS II and Low Rate Initial Production approval, December 01 received MS III approval, and Navy Initial Operational Capability occurred 4th Qtr FY03. Funding in FY15 is required for the procurement of B-kits and other support for Joint Primary Aircraft Training System retrofits.

CURRENT ACTIVE MODIFICATIONS:

- 1) Avionics Obsolescence - Replace various Avionics components due to diminishing supplier base and/or technical obsolescence. Future avionics upgrades for the T-6A include upgrades to Electronic Flight Instrument displays.
- 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) - Redesign safety related modification will replace the current T-6 laser system CFIS with a ballistic CFIS that will improve reliability and reduce life-cycle costs. Hawker Beechcraft Corporation will be conducting Source Selection in FY15. Safety related upgrade to the Internal CFIS Initiator (ICI), to improve the resistance to inadvertent activation. T-6 Air crew have inadvertently activated the canopy fracture system on several occasions by snagging flight clothing on the existing handle. Activation will result in explosive shattering of the transparency and can result in injury to the crew member. A more "snag-resistant" design or a cover or guard to existing handle would prevent inadvertent activation.
- 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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
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. FUTURE MODIFICATIONS: 1) Avionics Hardware/Software Modifications (B)- Organic the hardware and software in the AUP computer system to provide solution to conditions that were noted as deficiencies during the T-6B FOT&E. 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) Canopy Seal Valve - Modification to production configuration and replacement of brass solenoid and replace wiring to improve reliability, safety and cost effectiveness. 4) Emergency Oxygen Bottle Lanyard - Safety modification to increase volume of emergency oxygen. Class A safety board recommendation. 5) 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. 6) Onboard Oxygen Generating System (OBOGS) Concentrator (-0105 to -0106) - Upgrade current -0105 model OBOGS Concentrator to replace parts that are no longer available due to manufacturing obsolescence. In addition, replace the slide valve to eliminate issues with sticking. 7) 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. GPWS will reduce the potential of an inadvertent ground strike resulting in the possible loss of aircraft and crew. 8) Safe Arm Handle - Product improvement modification to the ejection seat to incorporate additional safety features to pinning the seat.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)													
A Kits													
Recurring													
1.1.1) Archived ECPs - NonOrganic	1,355 / 10.131	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,355 / 10.131	
Subtotal: Recurring	- / 10.131	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.131	
Non-Recurring													
1.2.1) ECP Preparation - Organic	- / 0.018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.018	
1.2.2) Non-recurring Engineering - Organic	- / 1.104	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.104	
1.2.3) Tooling - Organic	- / 0.010	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.010	
Subtotal: Non-Recurring	- / 1.132	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.132	
B Kits													
Recurring													
2.1.1) Avionics Obsolescence - Organic	- / -	10 / 0.037	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.037	
2.1.2) Bundle A & B - Organic ⁽¹⁾	- / -	295 / 0.067	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	295 / 0.067	
2.1.3) Canopy Fracture Initiation System - CFIS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	295 / 0.539	295 / 0.539	
2.1.4) Onboard Oxygen Generating System - Concentrator - Organic ⁽²⁾	- / -	- / -	- / -	- / -	- / -	- / -	65 / 0.923	100 / 1.430	80 / 1.150	50 / 0.680	- / -	295 / 4.183	
2.1.5) Onboard Oxygen Generating System - Low Pressure Switch - Organic	- / -	14 / 0.087	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.087	
2.1.6) Power Control Lever - Organic	- / -	63 / 0.457	8 / 0.081	- / -	- / -	- / -	- / -	- / -	- / -	- / -	162 / 0.398	233 / 0.936	
2.1.7) Canopy Seal Valve (Future) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 0.181	84 / 0.492	184 / 1.057	- / -	295 / 1.730	
2.1.8) Cockpit Improvements - Organic	- / -	54 / 0.010	54 / 0.010	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	108 / 0.020	
2.1.9) Avionics Hardware/Software Modifications (B)- Organic (Future) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	292 / 1.741	292 / 1.741	
2.1.10) Avionics Hardware/Software Modifications (A) - Organic (Future) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	295 / 12.300	295 / 12.300	
2.1.11) Safety System Compliance - Organic (Future) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	291 / 3.030	291 / 3.030	
2.1.12) Landing Gear Control Handle Redesign - LGCH ECP 149 - Organic	- / -	- / -	118 / 0.735	115 / 0.652	- / -	115 / 0.652	44 / 0.287	- / -	- / -	- / -	- / -	277 / 1.674	
2.1.13) Safe Arm Handle (Future) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	295 / 18.000	295 / 18.000	
2.1.14) Archived ECPs - NonOrganic	1,914 / 3.023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,914 / 3.023	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
2.1.15) Landing Gear Shimmy Friction Collar ECP 151 - Organic	- / -	- / -	167 / 0.621	26 / 0.149	- / -	26 / 0.149	- / -	- / -	- / -	- / -	- / -	193 / 0.770	
2.1.16) Emergency Oxygen Bottle Lanyard (Future) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	217 / 0.414	- / -	- / -	- / -	- / -	217 / 0.414	
Subtotal: Recurring	- / 3.023	- / 0.658	- / 1.447	- / 0.801	- / -	- / 0.801	- / 1.624	- / 1.611	- / 1.642	- / 1.737	- / 36.008	- / 48.551	
Non-Recurring													
2.2.1) Non-recurring Engineering - Organic ⁽³⁾	- / 0.028	- / 0.198	- / -	- / 0.109	- / -	- / 0.109	- / -	- / -	- / -	- / -	- / -	- / 0.335	
Subtotal: Non-Recurring	- / 0.028	- / 0.198	- / -	- / 0.109	- / -	- / 0.109	- / -	- / -	- / -	- / -	- / -	- / 0.335	
Subtotal: P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)	3,269 / 14.314	436 / 0.856	347 / 1.447	141 / 0.910	- / -	141 / 0.910	326 / 1.624	127 / 1.611	164 / 1.642	234 / 1.737	1,630 / 36.008	6,674 / 60.149	
Subtotal: Procurement, All Modification Items	- / 14.314	- / 0.856	- / 1.447	- / 0.910	- / -	- / 0.910	- / 1.624	- / 1.611	- / 1.642	- / 1.737	- / 36.008	- / 60.149	
Support (All Modification Items)													
3.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) DATA - Publications	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.025	
3.3) Training Equipment ⁽⁴⁾	58 / 0.217	- / -	34 / 0.073	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	92 / 0.290	
3.4) Support Equipment	- / 0.003	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.003	
3.5) ILS	- / 0.011	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.011	
3.6) Other Support ⁽⁵⁾	- / 0.349	- / 0.694	- / 0.056	- / 0.175	- / -	- / 0.175	- / -	- / 0.064	- / 0.063	- / -	- / -	- / 1.401	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.8) DAWDF Realignment	- / 1.894	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.894	
Subtotal: Support	- / 2.499	- / 0.694	- / 0.129	- / 0.175	- / -	- / 0.175	- / -	- / 0.064	- / 0.063	- / -	- / -	- / 3.624	
Installation													
Modification Item 1 of 1: P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)	- / 6.124	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.188	- / 6.312	
Subtotal: Installation	- / 6.124	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.188	- / 6.312	
Total													
Total Cost (Procurement + Support + Installation)	22.937	1.550	1.576	1.085	-	1.085	1.624	1.675	1.705	1.737	36.196	70.085	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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 1: P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Various															Manufacturer Location: >Various																
Administrative Leadtime (<i>in Months</i>): 0															Production Leadtime (<i>in Months</i>): 0																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: [none specified] : Installation Name: Archived Installs																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		3,008 / 6.124		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3,008 / 6.124					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		295 / 0.188		295 / 0.188					
Total		3,008 / 6.124		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		295 / 0.188		3,303 / 6.312					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	3,269	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	295	3,564
Out	3,269	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	295	3,564
Method of Implementation (Organic): Organic - Avionics Obsolescence																				Installation Quantity: 10											
Method of Implementation (Organic): Organic - Bundle A & B																				Installation Quantity: 295											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 1: P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - Canopy Fracture Initiation System - CFIS		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): Not Installed - Power Control Lever		Installation Quantity: 233
Method of Implementation (Organic): Organic - Canopy Seal Valve (Future)		Installation Quantity: 295
Method of Implementation (Organic): Organic - Cockpit Improvements		Installation Quantity: 108
Method of Implementation (Organic): Organic - Avionics Hardware/Software Modifications (B)- Organic (Future)		Installation Quantity: 292
Method of Implementation (Organic): Organic - Safety System Compliance - Organic (Future)		Installation Quantity: 291
Method of Implementation (Organic): Organic - Landing Gear Control Handle Redesign - LGCH ECP 149		Installation Quantity: 277
Method of Implementation (Organic): Organic - Safe Arm Handle (Future)		Installation Quantity: 295
Method of Implementation (Organic): Organic - Landing Gear Shimmy Friction Collar ECP 151		Installation Quantity: 193
Method of Implementation (Organic): Organic - Emergency Oxygen Bottle Lanyard (Future)		Installation Quantity: 217
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 92
Footnotes: ⁽¹⁾ Quantity increase from PB14 is to account for all aircraft requiring install.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

- (2) FY16-FY19 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.
- (3) FY 13 funds NRE for ECP 149 (2.1.12) and ECP 151 (2.1.15)
- (4) 34 Landing Gear Control Handle Redesign mod kits for Aircrew Training Devices.
- (5) Other support provides additional Original Equipment Manufacture (OEM) support for individual modifications. Fluctuations throughout the FYDP are due to varying levels of support required.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 / P3a AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	5.943	9.530	16.651	24.750	14.864	71.738
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	5.943	9.530	16.651	24.750	14.864	71.738
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	5.943	9.530	16.651	24.750	14.864	71.738
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 FY16 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.

[P3A/P3a JPATS AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)]:

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 / P3a 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: P3a AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)													
B Kits													
Recurring													
2.1.1) Aircraft Retrofit Kits - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	54 / 3.168	72 / 4.720	72 / 5.377	72 / 6.964	25 / 2.466	295 / 22.695	
2.1.2) GBTS B Kits - NonOrganic ⁽⁶⁾	- / -	- / -	- / -	- / -	- / -	- / -	27 / 1.034	- / -	- / -	7 / 2.145	- / -	34 / 3.179	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.202	- / 4.720	- / 5.377	- / 9.109	- / 2.466	- / 25.874	
Non-Recurring													
2.2.1) Retrofit Non-Recurring Engineering - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.620	- / 2.350	- / 8.185	- / 12.283	- / 4.688	- / 29.126	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.620	- / 2.350	- / 8.185	- / 12.283	- / 4.688	- / 29.126	
Subtotal: P3a AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)	- / -	- / -	- / -	- / -	- / -	- / -	81 / 5.822	72 / 7.070	72 / 13.562	79 / 21.392	25 / 7.154	329 / 55.000	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 5.822	- / 7.070	- / 13.562	- / 21.392	- / 7.154	- / 55.000	
Support (All Modification Items)													
3.1) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.121	- / 0.167	- / 0.170	- / 0.205	- / -	- / 0.663	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.121	- / 0.167	- / 0.170	- / 0.205	- / -	- / 0.663	
Installation													
Modification Item 1 of 1: P3a AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.293	- / 2.919	- / 3.153	- / 7.710	- / 16.075	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.293	- / 2.919	- / 3.153	- / 7.710	- / 16.075	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	5.943	9.530	16.651	24.750	14.864	71.738	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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 / P3a AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)				
Modification Item 1 of 1: P3a AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: TBD - Aircraft Retrofit Kits							Manufacturer Location: >TBD					
Administrative Leadtime (<i>in Months</i>): 3							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates				Dec 2015	Dec 2016	Dec 2017	Dec 2018					
Delivery Dates				Dec 2016	Dec 2017	Dec 2018	Dec 2019					
Manufacturer Name: TBD - GBTS B Kits							Manufacturer Location: >TBD					
Administrative Leadtime (<i>in Months</i>): 3							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 1.213	- / -	- / -	- / -	54 / 1.213
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 2.919	- / -	- / -	72 / 2.919
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 3.153	- / -	72 / 3.153
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 5.515	72 / 5.515
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 1.915	25 / 1.915
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 1.213	72 / 2.919	72 / 3.153	97 / 7.430	295 / 14.715

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 / P3a AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)

Modification Item 1 of 1: P3a AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot Field Mod Team : Installation Name: Aircraft Retrofit Kits

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	97	295
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	18	18	18	18	18	18	18	18	18	18	18	97	295

Method of Implementation: Depot Field Mod Team : Installation Name: GBTS B Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 1.080	- / -	- / -	- / -	27 / 1.080
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.280	7 / 0.280
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 1.080	- / -	- / -	7 / 0.280	34 / 1.360

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	7	34
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	7	6	-	-	-	-	-	-	-	-	7	34

Footnotes:

⁽⁶⁾ FY17 Ground Based Trainer System (GBTS) for T-6B. FY19 GBTS for T-6A.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014

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: 0575 / Aviation Life Support Mods

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	18.496	2.347	6.267	-	-	-	-	-	-	-	-	27.110
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	18.496	2.347	6.267	-	-	-	-	-	-	-	-	27.110
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	18.496	2.347	6.267	-	-	-	-	-	-	-	-	27.110
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds the Crashworthy Troop and Gunner seats for fielded MH-60S aircraft and will also be utilized for future Aviation Life Support Modifications as required.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / 030-12 Crashworthy Troop Seats	P-3a		-	-	0.987	-	-	2.347	-	-	6.267	-	-	-	-	-	-	-	-	-
P-3a - 2 / Inactive OSIPs	P-3a		-	-	17.509	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	18.496	-	-	2.347	-	-	6.267	-	-	-	-	-	-	-	-	-

Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / 030-12 Crashworthy Troop Seats	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.601
P-3a - 2 / Inactive OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.509
Total Gross/Weapon System Cost			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.110

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
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: 0575 / Aviation Life Support Mods
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
*For the P-3a, Title represents the Modification Number / Title.		
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.		

Justification:
The Crash Worthy Troop Seat program is being defunded and funds are being realigned to support higher priority requirements.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0575 / Aviation Life Support Mods	Modification Number / Title: 1 / 030-12 Crashworthy Troop Seats

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.987	2.347	6.267	-	-	-	-	-	-	-	-	9.601
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.987	2.347	6.267	-	-	-	-	-	-	-	-	9.601
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.987	2.347	6.267	-	-	-	-	-	-	-	-	9.601
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The currently fielded MH-60S Crashworthy Troop and Gunner Seats were not designed to provide protection (crash force attenuation) for average combat loaded personnel weight. Fielded seats were only designed and tested for the narrow anthropometric range of a 50 percent male at 175 pounds and requires a maintenance surveillance program to intermittently replace metal wire energy attenuators which experience internal cracks due to metal fatigue over service and shelf lifetime. The replacement of the troop seat and gunner seat with a non-developmental military qualified, crashworthy, in-production seat is low risk and will eliminate the need for lengthy nonrecurring engineering and testing. The replacement seats will improve crashworthy performance by upgrading the current energy attenuator design which is susceptible to metal fatigue failure and will improve survivability of aircrew and passengers during survivable crashes.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The Crash Worthy Troop Seat program is being defunded and funds are being realigned to support higher priority requirements.

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LI 0575 - Aviation Life Support Mods
Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0575 / Aviation Life Support Mods			Modification Number / Title: 1 / 030-12 Crashworthy Troop Seats	
Modification Item 1 of 1: 030-12 Crashworthy Troop Seats							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy										Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0575 / Aviation Life Support Mods						Modification Number / Title: 2 / Inactive OSIPs		
Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	17.509	-	-	-	-	-	-	-	-	-	-	17.509
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	17.509	-	-	-	-	-	-	-	-	-	-	17.509
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	17.509	-	-	-	-	-	-	-	-	-	-	17.509
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date. Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0575 / Aviation Life Support Mods				Modification Number / Title: 2 / Inactive OSIPs					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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													
1.1.1) Inactive OSIPs - Organic													
- / 17.509													
Subtotal: Non-Recurring													
- / 17.509													
Subtotal: Inactive OSIPs													
- / 17.509													
Subtotal: Procurement, All Modification Items													
- / 17.509													
Installation													
Subtotal: Installation													
- / -													
Total													
Total Cost (Procurement + Support + Installation)													
17.509													

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0575 / Aviation Life Support Mods			Modification Number / Title: 2 / Inactive OSIPs	
Modification Item 1 of 1: Inactive OSIPs							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy										Date: March 2014		
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,511.867	106.512	178.076	155.644	-	155.644	153.843	156.645	169.928	161.292	1,501.018	4,094.825
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,511.867	106.512	178.076	155.644	-	155.644	153.843	156.645	169.928	161.292	1,501.018	4,094.825
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,511.867	106.512	178.076	155.644	-	155.644	153.843	156.645	169.928	161.292	1,501.018	4,094.825
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date. Description: This line item funds common Electronic Countermeasures equipment (B kits) for multiple aircraft. The overall goal of the modification budget is to provide a reprogrammable radar and missile warning system, provide attacking missile declaration and sector direction finding, laser detection, and self protection capability devices to applicable user aircraft. 72-88 AAR-47: FY09 Overseas Contingency Operations (OCO) supplemental and FY10 OCO supplemental funded procurement of 950 AAR-47 B (V) 2 retrofit kits. FY-12 and FY14 OCO provides funding for a Class I Engineering Change Proposal (ECP) to provide Computer Processor upgrade, improvements to B(V)2 processing for improved performance in Probability of Detection and False Alarm Rate, along with addressing obsolescence issues in the AAR-47. 14-90 AN/APR-39(V)2: FY10 supplemental 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 and Assault platforms using Aircraft Survivability Equipment. 06-00 ALE-39 to 47 Retrofit: FY09/FY10 OCO funds provided to procure AN/ALE-47 breech 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-10 OCO funding was provided for additional dispensers/pods to increase mission duration and survivability for CH-53D/E. The FY10 OCO funds provided for the procurement of additional production CH-53 Dual Dispenser Pods and the Non-Recurring Engineering/Installation to increase the expendables capacity from 120 to 240. FY10 OCO funding 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 OSIP provides current available technology improvements to survivability for United States Marine Corps aircraft. FY2009 through FY2011 OCO funding was used to procure A-Kits and B-kits, along with program support. FY 2014 and FY 2015 OCO supports procurement, upgrades, test and fielding of Department of Navy Large Aircraft Infrared Countermeasure/Advanced Threat Warning (ATW) capability.												

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy															Date: March 2014				
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):														
04-12 Common On-Board Jammer: 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. 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 (ACoD): 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 initiative and logistic support to keep these aircraft mission capable with a robust defensive system that ensure its survivability.																			

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / AN/AAR-47 DETECTION (OSIP 072-88)	P-3a		-	-	449.037	-	-	-	-	-	10.183	-	-	-	-	-	-	-	-	-
P-3a - 2 / AN/APR-39D(V)2 RWR (OSIP 014-90)	P-3a		-	-	232.096	-	-	19.093	-	-	21.784	-	-	11.455	-	-	-	-	-	11.455
P-3a - 3 / ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)	P-3a		-	-	165.099	-	-	4.051	-	-	5.383	-	-	7.132	-	-	-	-	-	7.132
P-3a - 4 / DIRECTED INFRARED COUNTERMEASURE DoN LAIRCM /AAQ-24 (OSIP 005-08)	P-3a		-	-	348.307	-	-	29.453	-	-	68.099	-	-	39.284	-	-	-	-	-	39.284
P-3a - 5 / COMMON ON- BOARD JAMMER (OBJ) (OSIP 004-12)	P-3a		-	-	39.184	-	-	53.638	-	-	72.291	-	-	96.711	-	-	-	-	-	96.711
P-3a - 6 / CORRECTIONS OF DISCREPANCIES (OSIP 017-12)	P-3a		-	-	0.410	-	-	0.277	-	-	0.336	-	-	0.330	-	-	-	-	-	0.330
P-3a - 7 / ASSAULT CORRECTION OF DISCREPANCIES (OSIP 004-15)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	0.732	-	-	-	-	-	0.732
P-3a - 8 / INACTIVE OSIPs	P-3a		-	-	277.734	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	1,511.867	-	-	106.512	-	-	178.076	-	-	155.644	-	-	-	-	-	155.644

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / AN/AAR-47 DETECTION (OSIP 072-88)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	459.220	
P-3a - 2 / AN/APR-39D(V)2 RWR (OSIP 014-90)	P-3a		-	-	3.596	-	-	-	-	-	10.442	-	-	-	-	-	204.321	-	-	502.787	
P-3a - 3 / ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)	P-3a		-	-	5.387	-	-	-	-	-	-	-	-	-	-	-	6.951	-	-	194.003	
P-3a - 4 / DIRECTED INFRARED COUNTERMEASURE DoN LAIRCM /AAQ-24 (OSIP 005-08)	P-3a		-	-	20.982	-	-	107.978	-	-	110.219	-	-	122.894	-	-	1,203.277	-	-	2,050.493	
P-3a - 5 / COMMON ON-BOARD JAMMER (OBJ) (OSIP 004-12)	P-3a		-	-	122.679	-	-	47.214	-	-	48.294	-	-	37.424	-	-	86.469	-	-	603.904	
P-3a - 6 / CORRECTIONS OF DISCREPANCIES (OSIP 017-12)	P-3a		-	-	0.470	-	-	0.481	-	-	-	-	-	-	-	-	-	-	-	2.304	
P-3a - 7 / ASSAULT CORRECTION OF DISCREPANCIES (OSIP 004-15)	P-3a		-	-	0.729	-	-	0.972	-	-	0.973	-	-	0.974	-	-	-	-	-	4.380	
P-3a - 8 / INACTIVE OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	277.734	
Total Gross/Weapon System Cost			-	-	153.843	-	-	156.645	-	-	169.928	-	-	161.292	-	-	1,501.018	-	-	4,094.825	
*For the P-3a, Title represents the Modification Number / Title.																					
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 2015 Navy							Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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. Supplemental funds were received in FY 07 to provide AAR-47B (V) 2 Probability of Detection Improvement Engineering Change Proposal (ECP) Retrofit Program. 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. FY 09 and FY10 OCO supplemental funded a Class I ECP and improved Missile Warning capabilities in support of UUNS #03606UC for United States Navy (USN)/USMC Assault Aircraft. 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 threat in certain operating environments.

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) Microprocessor upgrade program FY97-FY99 replaced the 8086 Micro Processor (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 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. The FY07 Supplemental 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 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 status in October 2008. Congressional Add funds provided in FY08 funded the Operational Flight Software for the Hostile Fire Indication (HFI) Capability. FY08 supplemental funds are a payback for utilization of AAR-47 baseline budget for OCO requirements. FY09 and FY10 OCO supplemental funds procured 950 AAR-47 B (V) 2 retrofit kits. Congressional Add funds provided in FY09 and FY10 funded the AAR47 Operator Interface and the continued HFI Capability effort. FY12 and FY14 OCO provides funding for a Class I ECP to provide CP upgrade, Smart dispense and improvements to B(V)2 processing for improved performance in Probability of Detection and False Alarm Rate, and address obsolescence issues in the AAR-47.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2015 Navy									Date: March 2014				
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-1W/Z, UH-1N/Y, CH-53D/E, HH-60H, SH-60B, MH-60R/S, P-3/P-3AIP, KC-130F/R/T/J, CH-46E, MV-22				Modification Type: MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	1,000 / 4.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,001 / 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	- / -	1,000 / 4.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5,500 / 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 2015 Navy										Date: March 2014			
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-1W/Z, UH-1N/Y, CH-53D/E, HH-60H, SH-60B, MH-60R/S, P-3/P-3AIP, KC-130F/R/T/J, CH-46E, MV-22				Modification Type: MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>- / -</i>	<i>- / 5.983</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 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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: 1001		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	232.096	19.093	21.784	11.455	-	11.455	3.596	-	10.442	-	204.321	502.787
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	232.096	19.093	21.784	11.455	-	11.455	3.596	-	10.442	-	204.321	502.787
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	232.096	19.093	21.784	11.455	-	11.455	3.596	-	10.442	-	204.321	502.787
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

DESCRIPTION / JUSTIFICATION: The AN/APR-39A/B/C/D(V)2 Radar Signal Detecting Set is designed for use on United States (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. FY10 Supplemental Funding supported a Class I Engineering Change Proposal (ECP) Computer Processor (CP) sustainment upgrade program. FY12 thru FY15 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. Twelve (12) validation/verification systems will be procured to support platform integration and suitability testing at the MV-22B aircraft System Integration Lab and during Verification of Correction of Deficiency Flights. Upgraded systems will be procured in FY15.

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 3Q/96, 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. FY08 Overseas Contingency Operations (OCO) supplemental 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. FY10 supplemental 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. The MV-22, AH-1Z, UH-1Y, CH-53K and MH-60S platforms have planned APN-1 procurement of APR-39 systems in FY2010 and beyond. FY09 supplemental funded the combined Operator Interface effort with the AAR-47. FY10 OCO funded the Class I ECP CP upgrade to the APR-39C(V)2. FY12 funds were used to start the Class I ECP NRE efforts for the correction of deficiencies of the RWR system. FY13 -FY15 will continue the NRE and testing of the upgraded APR-39 system (APR-39D(V)2).

Increase in APR-39D(V)2 ECP effort in FY13 is due to NRE costs of negotiated contract with OEM for correction of major deficiencies.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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: AN/APR-39A/B/C(V)2, UH-1N/Y, AH-1W/Z, MV-22, KC-130T, CH-53K				Modification Type: MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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/D(V)2 - Organic ⁽¹⁾	- / -	- / -	11 / 8.457	7 / 5.020	- / -	7 / 5.020	2 / 1.429	- / -	13 / 8.930	- / -	310 / 157.500	343 / 181.336	
2.1.3) Install Equip AN/APR-39 C(V)2 - Organic ⁽²⁾	- / -	- / -	19 / 4.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 4.000	
Subtotal: Recurring	- / 119.104	- / -	- / 12.457	- / 5.020	- / -	- / 5.020	- / 1.429	- / -	- / 8.930	- / -	- / 157.500	- / 304.440	
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	- / -	30 / 12.457	7 / 5.020	- / -	7 / 5.020	2 / 1.429	- / -	13 / 8.930	- / -	310 / 157.500	1,114 / 321.385	
Subtotal: Procurement, All Modification Items	- / 136.049	- / -	- / 12.457	- / 5.020	- / -	- / 5.020	- / 1.429	- / -	- / 8.930	- / -	- / 157.500	- / 321.385	
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	- / 15.983	- / 17.605	- / 3.023	- / 1.235	- / -	- / 1.235	- / -	- / -	- / -	- / -	- / 7.900	- / 45.746	
3.5) Data	- / 1.024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.024	
3.6) Training Equipment	- / 0.960	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.960	
3.7) Support Equipment	- / 2.082	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.082	
3.8) OCO Support Equipment	- / 1.073	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.073	
3.9) ILS	- / 6.309	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.309	
3.10) OCO ILS	- / 0.351	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.351	
3.11) OCO Other Support	- / 6.122	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.122	
3.12) Other Support ⁽³⁾	- / 35.587	- / 1.488	- / 6.304	- / 5.200	- / -	- / 5.200	- / 2.167	- / -	- / 1.512	- / -	- / 38.921	- / 91.179	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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: AN/APR-39A/B/C(V)2, UH-1N/Y, AH-1W/Z, MV-22, KC-130T, CH-53K				Modification Type: MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	
3.13) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	<i>- / 96.047</i>	<i>- / 19.093</i>	<i>- / 9.327</i>	<i>- / 6.435</i>	<i>- / -</i>	<i>- / 6.435</i>	<i>- / 2.167</i>	<i>- / -</i>	<i>- / 1.512</i>	<i>- / -</i>	<i>- / 46.821</i>	<i>- / 181.402</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)	232.096	19.093	21.784	11.455	-	11.455	3.596	-	10.442	-	204.321	502.787	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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/D(V)2					Installation Quantity: 343		
Method of Implementation (Organic): Not Installed - Install Equip AN/APR-39 C(V)2					Installation Quantity: 19		
Footnotes: (1) FY14 procurement supports 11 VAL/VER kits, FY15 procurement supports 1 VAL/VER procurement = 12 VAL/VERs. FY15 in the first year procuring upgrade kits in the qty (6). (2) New line added for Install Equip AN/APR-39 C(V)2 to fulfill "Fact of Life" changes. Line comprises of 19 Antenna Receivers Ship Sets @ \$121,412.00 and 38 Receivers @ \$42,300.00, requirement will meet DoN Aircraft production requirements. (3) Decrease from PB14 in accordance with HAC Reduction. Increase from FY13 to FY14 to support approved Acquisition Decision Memo.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	165.099	4.051	5.383	7.132	-	7.132	5.387	-	-	-	6.951	194.003
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	165.099	4.051	5.383	7.132	-	7.132	5.387	-	-	-	6.951	194.003
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	165.099	4.051	5.383	7.132	-	7.132	5.387	-	-	-	6.951	194.003
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 United States (U.S.) Navy and U.S. Army to participate in the U.S. Air Force (USAF) Engineering Manufacturing Development phase. Requirements were established by USAF Statement of Operational Requirements Document number 341.88-II-D of 8 July 92. Operational, Safety and Improvement Program 006-00 was initially established for the retrofit of multiple Type/Model/Series, but operational requirements in support of Overseas Contingency Operations (OCO) resulted in accelerated installs and additional aircraft being identified for retrofit incorporation with FY-04/05 OCO Supplemental funds. FY-07/08 OCO Supplemental funds added a PowerPC processor upgrade and additional dispenser pods for increased capacity and forward firing capability on assault platforms. FY-09 - 16 provides funding for retrofit installation of AN/ALE-47 on (240) F/A-18/C/D aircraft lots 12-17. FY-09 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-10 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/installation to increase the expendables capacity from 120 to 240.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The AN/ALE-47 system is in production and being installed in multiple U.S. Navy, U.S. Marine Corp and USAF aircraft. Milestone III decision awarded March 1993. Production system components are being procured under Air Force contract FA8540-06-D-0002 awarded November 2006 and 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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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-130FRT, H60, P-3, SH-60B				Modification Type: MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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⁾		94 / 3.502	38 / 1.672	9 / 0.405	35 / 1.761	- / -	35 / 1.761	34 / 1.766	- / -	- / -	- / -	50 / 2.000	260 / 11.106
Subtotal: Recurring		- / 24.181	- / 1.672	- / 0.405	- / 1.761	- / -	- / 1.761	- / 1.766	- / -	- / -	- / -	- / 2.000	- / 31.785
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⁾		94 / 3.719	38 / 0.854	9 / 0.387	35 / 1.679	- / -	35 / 1.679	34 / 1.688	- / -	- / -	- / -	50 / 2.450	260 / 10.777
Subtotal: Recurring		- / 78.017	- / 0.854	- / 0.387	- / 1.679	- / -	- / 1.679	- / 1.688	- / -	- / -	- / -	- / 2.450	- / 85.075
Subtotal: ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)		8,869 / 108.656	76 / 2.526	18 / 0.792	70 / 3.440	- / -	70 / 3.440	68 / 3.454	- / -	- / -	- / -	100 / 4.450	9,201 / 123.318
Subtotal: Procurement, All Modification Items		- / 108.656	- / 2.526	- / 0.792	- / 3.440	- / -	- / 3.440	- / 3.454	- / -	- / -	- / -	- / 4.450	- / 123.318
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⁾		- / 0.854	- / 0.235	- / 0.258	- / 0.288	- / -	- / 0.288	- / -	- / -	- / -	- / -	- / 0.163	- / 1.798
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		- / 27.454	- / 0.548	- / 0.331	- / 0.383	- / -	- / 0.383	- / 0.486	- / -	- / -	- / -	- / 0.338	- / 29.540

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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-130FRT, H60, P-3, SH-60B				Modification Type: MISSION CAPABILITY				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
3.12) OCO Other Support	- / 8.856	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.856
3.13) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 50.965	- / 0.783	- / 0.589	- / 0.671	- / -	- / 0.671	- / 0.486	- / -	- / -	- / -	- / 0.501	- / 53.995
Installation												
Modification Item 1 of 1: ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)	- / 5.478	- / 0.742	- / 4.002	- / 3.021	- / -	- / 3.021	- / 1.447	- / -	- / -	- / -	- / 2.000	- / 16.690
Subtotal: Installation	- / 5.478	- / 0.742	- / 4.002	- / 3.021	- / -	- / 3.021	- / 1.447	- / -	- / -	- / -	- / 2.000	- / 16.690
Total												
Total Cost (Procurement + Support + Installation)	165.099	4.051	5.383	7.132	-	7.132	5.387	-	-	-	6.951	194.003

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
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)																																							
Modification Item MDAP/MAIS Code:																																							
Manufacturer Information																																							
Manufacturer Name: NAWC, Weapon Center															Manufacturer Location: >China Lake, CA																								
Administrative Leadtime (in Months): 2															Production Leadtime (in Months): 4																								
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019													
Contract Dates		Nov 2012				Nov 2013				Nov 2014				Nov 2015																									
Delivery Dates		Feb 2013				Feb 2014				Feb 2015				Feb 2016																									
Installation Information																																							
Method of Implementation: Depot Level Installation : Installation Name: F/A-18C Installation Costs																																							
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total															
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)															
Prior Years		94 / 5.478		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		94 / 5.478													
FY 2013		- / -		14 / 0.742		24 / 3.525		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		38 / 4.267													
FY 2014		- / -		- / -		9 / 0.477		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		9 / 0.477													
FY 2015		- / -		- / -		- / -		35 / 3.021		- / -		35 / 3.021		- / -		- / -		- / -		- / -		- / -		- / -		35 / 3.021													
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		34 / 1.447		- / -		- / -		- / -		- / -		- / -		34 / 1.447													
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		50 / 2.000		50 / 2.000													
Total		94 / 5.478		14 / 0.742		33 / 4.002		35 / 3.021		- / -		35 / 3.021		34 / 1.447		- / -		- / -		- / -		- / -		50 / 2.000		260 / 16.690													
Installation Schedule																																							
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4										
In	94	-	4	5	5	5	10	11	7	-	10	10	15	-	10	10	14	-	-	-	-	-	-	-	-	-	-	-	-	50	260								
Out	82	12	-	4	5	5	5	10	11	7	-	10	10	15	-	10	10	14	-	-	-	-	-	-	-	-	-	-	-	50	260								
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 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
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: 260
Footnotes: (4) Kit purchases include A Kits; AV8 Kits, EA6B Kits, CH-53 and N/R (Val/Ver) Kits. FY 2014 qty procurement was reduced due to installation schedule slip as an result of sequestration reductions continue furloughs caused delays in the install schedule, which will extended the schedule to complete aircraft mods; delaying the approval of Technical Directive, aircraft availability. FY 2015 and 2016 increase in unit costs for the F/A-18 A-kits is due to various miscellaneous parts and cable assemblies not being manufactured by FRCSW any longer, but being procured through contract. Cost to Complete was increased to (50) procure the qty of kits that was not procured due to delay in addition with the associated support equipment and installations cost to complete the requirement. (5) The increase in unit costs for the F/A-18 B-kits is due to re-negotiation of the Air Force's procurement contract for programmers and sequencers. The previous contract was negotiated from FY06-FY11 and the unit pricing came in higher when the FY12 contract was negotiated. The FY13 decrease in unit costs for F/A-18 B-kits is due to the use of some GFE assets being screened/validated for Ready-to-Issue (RFI) status and used in place of new procurements. Cost to Complete increases the number of aircraft kits, associated support equipment and installations by 50. Equal number of F/A-18 A & B kits required for installation. (6) The increase in total costs 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. Cost to Complete is to increase the number of aircraft kits, associated support equipment and installations by (50).		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	348.307	29.453	68.099	39.284	-	39.284	20.982	107.978	110.219	122.894	1,203.277	2,050.493
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	348.307	29.453	68.099	39.284	-	39.284	20.982	107.978	110.219	122.894	1,203.277	2,050.493
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	348.307	29.453	68.099	39.284	-	39.284	20.982	107.978	110.219	122.894	1,203.277	2,050.493
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

DESCRIPTION/JUSTIFICATION: The 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 / Inertial Navigation System. Urgent Universal Need Statement #03606UC dated 17 November 2006 mandated development and fielding of improved Aircraft Survivability Equipment (ASE) against Infrared Surface-to-Air Missile threats for United States Navy (USN) / United States Marine Corps (USMC) rotary-wing aircraft in support of Overseas Contingency Operations. Supplemental funding from FY 2005 - FY 2010 supported analysis, test and procurement of DoN LAIRCM A-kits and B-kits for CH-53Es and CH-46Es. Current USMC operations require Integrated Defensive Electronic Countermeasure capability against Man-Portable Air Defense Systems (MANPADS), and early recognition of incoming rocket propelled grenades, hostile fire, and laser-guided weapons. Ongoing Engineering Change Proposals include software and hardware upgrades to add Advanced Threat Warning (ATW), including Laser Warning, Hostile Fire Indicator and Smart Dispense capabilities. ATW also provides DoN LAIRCM improved probability of detect (Pd), a lower False Alarm Rate (FAR), Near-Instantaneous detection beyond max effective range, threat bearing and geo-location, single-shot detection, and accurate threat ID (category). FY 2011 through FY 2015 supports procurement, upgrades, testing and completing fielding of DoN LAIRCM/ATW systems. Rapid Deployment Capability of MV-22 in support of Special Purpose Marine Air Ground Task Force (SPMAGTF) prompted the re-alignment of APN-5 in January 2014.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The DoN LAIRCM program Milestone C / Full Rate Production decision was approved 2nd QTR FY10. DoN LAIRCM provides a cost effective solution to counter the Infrared (IR) threat, including detection in high clutter environments. FY 2005 Supplemental funds enabled an analysis of a current Generation I Missile Warning System (MWS) with current countermeasure dispense techniques as compared to Generation II MWS. Directed IR Countermeasures (DIRCM) system CH-53 Technology Assessment Program (TAP) used FY 2007 Supplemental funds to develop and purchase initial A-kit and B-kit test articles. The Analysis of Alternatives (AOA) for the Assault DIRCM program was completed in July 2007. The DoN LAIRCM program has demonstrated the improved capability and mitigated deficiencies using the next generation system incorporating improved MWS with advanced DIRCM solution. Since achieving Initial Operating Capability in May 2009, the system has proven to be a cost effective IRCM solution. This Operational Safety Improvement Program provides technology improvements to ASE for USN and USMC aircraft. Although originally intended as an interim solution (CH-53E/D and CH-46E only), the DoN LAIRCM program has continued to expand. Since 2010, the CH-53K, C-20, C-40, KC-130J and V-22 Program Offices have submitted requirements for LAIRCM capabilities. The associated Program Offices (i.e., PMA-261, PMA-207, PMA-275 etc.) are / will be utilizing Aircraft Procurement, Navy (AP,N) 1,2,4, and 5 funding to integrate and procure DoN LAIRCM systems.

FY 2014 OCO supports procurement, upgrades, test and fielding of Department of Navy Large Aircraft Infrared Countermeasure/Advanced Threat Warning (ATW) capability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 / 20.252	- / -	- / -	10 / 26.605	- / -	10 / 26.605	4 / 10.961	24 / 67.740	27 / 78.494	28 / 83.843	340 / 505.699	440 / 793.594	
2.1.2) OCO DIRCM (B Kits) - Organic	68 / 127.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	68 / 127.582	
2.1.3) MEON - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	104 / 13.000	104 / 13.000	
2.1.4) OCO MEON - Organic	23 / 1.698	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 1.698	
2.1.5) OCO ATW Retrofit Kits - Organic ⁽⁷⁾	30 / 29.121	- / -	24 / 19.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 48.921	
2.1.6) ATW Retrofit Kits - Organic	- / -	12 / 9.747	6 / 4.950	- / -	- / -	- / -	- / -	33 / 35.699	24 / 26.742	24 / 27.544	570 / 654.178	669 / 758.860	
Subtotal: Recurring	- / 178.653	- / 9.747	- / 24.750	- / 26.605	- / -	- / 26.605	- / 10.961	- / 103.439	- / 105.236	- / 111.387	- / 1,172.877	- / 1,743.655	
Non-Recurring													
2.2.1) A/C Integration NRE - Organic	- / -	- / -	- / 18.500	- / 4.553	- / -	- / 4.553	- / -	- / -	- / -	- / -	- / -	- / 23.053	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 18.500	- / 4.553	- / -	- / 4.553	- / -	- / -	- / -	- / -	- / -	- / 23.053	
Subtotal: DIRECTED INFRARED COUNTERMEASURE DoN LAIRCM /AAQ-24 (OSIP 005-08)	128 / 178.653	12 / 9.747	30 / 43.250	10 / 31.158	- / -	10 / 31.158	4 / 10.961	57 / 103.439	51 / 105.236	52 / 111.387	1,014 / 1,172.877	1,358 / 1,766.708	
Subtotal: Procurement, All Modification Items	- / 178.653	- / 9.747	- / 43.250	- / 31.158	- / -	- / 31.158	- / 10.961	- / 103.439	- / 105.236	- / 111.387	- / 1,172.877	- / 1,766.708	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 2.606	- / 2.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.706	
3.2) OCO Engineering Change Orders ⁽⁸⁾	- / 60.925	- / -	- / 16.318	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 77.243	
3.3) Navy Test	- / -	- / -	- / -	- / 3.260	- / -	- / 3.260	- / 6.696	- / -	- / -	- / 5.040	- / -	- / 14.996	
3.4) Data	- / 0.487	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.487	
3.5) OCO Data	- / 0.109	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.109	
3.6) Training Equipment	- / 0.024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.024	
3.7) Support Equipment	- / 2.360	- / -	- / -	- / 0.949	- / -	- / 0.949	- / -	- / -	- / -	- / -	- / -	- / 3.309	
3.8) OCO Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.9) ILS	- / 4.666	- / 6.345	- / 2.072	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.390	- / 4.468	- / 19.941	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	
3.10) OCO ILS	- / 3.545	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.545	
3.11) Other Support ⁽⁹⁾	- / 23.881	- / 11.261	- / 3.577	- / 3.917	- / -	- / 3.917	- / 3.325	- / 4.539	- / 4.983	- / 4.077	- / 25.932	- / 85.492	
3.12) OCO Other Support	- / 47.436	- / -	- / 2.882	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 50.318	
3.13) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.14) NRE	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.15) Archived BKits Recurring - Organic	- / 23.615	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.615	
Subtotal: Support	- / 169.654	- / 19.706	- / 24.849	- / 8.126	- / -	- / 8.126	- / 10.021	- / 4.539	- / 4.983	- / 11.507	- / 30.400	- / 283.785	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	348.307	29.453	68.099	39.284	-	39.284	20.982	107.978	110.219	122.894	1,203.277	2,050.493	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - DIRCM (B Kits)					Installation Quantity: 440		
Method of Implementation (Organic): Not Installed - OCO DIRCM (B Kits)					Installation Quantity: 68		
Method of Implementation (Organic): Not Installed - MEON					Installation Quantity: 104		
Method of Implementation (Organic): Not Installed - OCO MEON					Installation Quantity: 23		
Method of Implementation (Organic): Not Installed - OCO ATW Retrofit Kits					Installation Quantity: 54		
Method of Implementation (Organic): Not Installed - ATW Retrofit Kits					Installation Quantity: 669		
Footnotes:							
⁽⁷⁾ FY 2014 supports procurement, upgrades, test and fielding of Department of Navy Large Aircraft Infrared Countermeasure/Advanced Threat Warning (ATW) capability.							
⁽⁸⁾ FY14 OCO Engineering Change Orders includes \$12.818M in support of the OCO LAIRCM Software modification.							
⁽⁹⁾ FY 2013 Other Support includes \$5.500M of test funding. This is the primary testing supporting the integration and fielding of the ATW. Support in budget in FY 2016 and 2017 to cover ongoing efforts to include testing, logistic, integration and Hardware In The Loop (HITL) in association with new platform efforts (KC-130J/CH-53K).							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	39.184	53.638	72.291	96.711	-	96.711	122.679	47.214	48.294	37.424	86.469	603.904
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	39.184	53.638	72.291	96.711	-	96.711	122.679	47.214	48.294	37.424	86.469	603.904
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	39.184	53.638	72.291	96.711	-	96.711	122.679	47.214	48.294	37.424	86.469	603.904
<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>	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 #624-78-03 and be compatible with the ALE-55 Fiber Optic Towed Decoy (FOTD). The Electronic Frequency Converter 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 Lots 1-8 are covered by OSIP 07-03. 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 FY14-FY16 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 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽¹⁰⁾	23 / 2.367	42 / 4.361	31 / 3.316	32 / 3.525	- / -	32 / 3.525	- / -	- / -	- / -	- / -	- / -	128 / 13.569	
2.1.2) ALQ-214 Retrofit Kits (E/F) Install Equipment - Organic ⁽¹¹⁾	23 / 0.466	54 / 0.995	37 / 0.702	37 / 0.723	- / -	37 / 0.723	50 / 1.139	14 / 0.329	14 / 0.338	10 / 0.249	16 / 0.410	255 / 5.351	
2.1.3) ALQ-214 Install Equipment - Organic ⁽¹²⁾	7 / 19.559	17 / 34.629	25 / 54.584	37 / 84.125	- / -	37 / 84.125	50 / 110.918	14 / 36.710	14 / 37.812	10 / 30.240	16 / 58.470	190 / 467.047	
2.1.4) EFC Install Equipment - Organic ⁽¹³⁾	55 / 7.215	21 / 2.755	59 / 8.270	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	135 / 18.240	
Subtotal: Recurring	- / 29.607	- / 42.740	- / 66.872	- / 88.373	- / -	- / 88.373	- / 112.057	- / 37.039	- / 38.150	- / 30.489	- / 58.880	- / 504.207	
Non-Recurring													
2.2.1) Achieved BKits Non-Recurring - Organic	- / 3.515	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.515	
Subtotal: Non-Recurring	- / 3.515	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.515	
Subtotal: COMMON ON-BOARD JAMMER (OBJ) (OSIP 004-12)	108 / 33.122	134 / 42.740	152 / 66.872	106 / 88.373	- / -	106 / 88.373	100 / 112.057	28 / 37.039	28 / 38.150	20 / 30.489	32 / 58.880	708 / 507.722	
Subtotal: Procurement, All Modification Items	- / 33.122	- / 42.740	- / 66.872	- / 88.373	- / -	- / 88.373	- / 112.057	- / 37.039	- / 38.150	- / 30.489	- / 58.880	- / 507.722	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.370	- / 0.485	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.855	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support ⁽¹⁴⁾	- / 5.692	- / 10.413	- / 5.419	- / 8.338	- / -	- / 8.338	- / 10.622	- / 10.175	- / 10.144	- / 6.935	- / 27.589	- / 95.327	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 6.062	- / 10.898	- / 5.419	- / 8.338	- / -	- / 8.338	- / 10.622	- / 10.175	- / 10.144	- / 6.935	- / 27.589	- / 96.182	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	39.184	53.638	72.291	96.711	-	96.711	122.679	47.214	48.294	37.424	86.469	603.904	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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: 255		
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: (10) Fleet/FA-18 Class Desk increased requirments on the ALQ-214 Retrofit Kits (C/D) from 96-128 aircraft. (11) E/F Install Equipment u/c is based upon projected cost. Additional ALQ-214 E/F Retrofit kits being procured in FY 2014 correlate to additional aircraft procured by PMA-265. (12) COBJ is a buy to budget program. FY 2014 u/c increased from FY 2013 due to reduced total quantites being procured by PMA-265 and PMA-272. FY 2015 u/c increased as a result of total quantity of units procured by PMA-272. PMA-265 requirements no longer existed after FY 2014. FY 2017 and FY 2018 u/c increase is based on projected inflation and associated contract cost. FY 2019 u/c increase based on reduced number of units procured. FY 2014 quantities decreased from OSD Budget Submission due to HAC Mark of \$7.792M. Quantities added to the Cost to Complete line. (13) FY 2013 EFC procurement comprised of FY 2012 and FY 2013 buys with PMA-265 equating to 130 total units; resulting in a lower u/c. FY 2014 EFC was procured by PMA-272 alone for qty 59 resulting in a higher u/c. (14) Increase in Other Support occurred in FY 2016 thru FY 2018 to the Field Support Team to provide additional technical support required for the retrofitting of the ALQ-214 into the the F/A-18 aircraft. Retrofitting of aircraft planned to be nearing completion in FY 2018. Decrease in Other Support in FY 2014 due to HAC Mark of 3M for Other Support Carryover.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.410	0.277	0.336	0.330	-	0.330	0.470	0.481	-	-	-	2.304
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.410	0.277	0.336	0.330	-	0.330	0.470	0.481	-	-	-	2.304
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.410	0.277	0.336	0.330	-	0.330	0.470	0.481	-	-	-	2.304
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 Preliminary Design Review for Program Control Unit 1 drawing package and prototype Circuit Card Assemblies, perform Critical Design Review. Contractor to conduct system testing, evaluations, environmental and qualification testing. The contractor to modify Shop Replaceable Assemblies with Diminished Manufacturing Sources issues and develop Acceptance Test Plans and Engineering Change Proposal, verify testing and evaluations of new designs. The United States (U.S.) Navy Fleet Support Team will provide system engineering qualification on aircraft, support equipment, and develop Technical Directives and any additional Integrated Logistics Support requirements. Software support activity U.S. Navy and contractor to develop software integrations.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) CP-1293 PCU-1 - Organic	- / -	- / 0.117	- / 0.336	- / 0.270	- / -	- / 0.270	- / 0.411	- / 0.422	- / -	- / -	- / -	- / 1.556
Subtotal: Recurring	- / 0.246	- / 0.117	- / 0.336	- / 0.270	- / -	- / 0.270	- / 0.411	- / 0.422	- / -	- / -	- / -	- / 1.802
Subtotal: CORRECTIONS OF DISCREPANCIES (OSIP 017-12)	15 / 0.246	- / 0.117	- / 0.336	- / 0.270	- / -	- / 0.270	- / 0.411	- / 0.422	- / -	- / -	- / -	15 / 1.802
Subtotal: Procurement, All Modification Items	- / 0.246	- / 0.117	- / 0.336	- / 0.270	- / -	- / 0.270	- / 0.411	- / 0.422	- / -	- / -	- / -	- / 1.802
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	- / 0.164	- / 0.160	- / -	- / 0.060	- / -	- / 0.060	- / 0.059	- / 0.059	- / -	- / -	- / -	- / 0.502
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.164	- / 0.160	- / -	- / 0.060	- / -	- / 0.060	- / 0.059	- / 0.059	- / -	- / -	- / -	- / 0.502
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	0.410	0.277	0.336	0.330	-	0.330	0.470	0.481	-	-	-	2.304

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - RR-2055 Special Receiver (SRA)					Installation Quantity: 15		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	0.732	-	0.732	0.729	0.972	0.973	0.974	-	4.380
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	0.732	-	0.732	0.729	0.972	0.973	0.974	-	4.380
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	0.732	-	0.732	0.729	0.972	0.973	0.974	-	4.380

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

DESCRIPTION/JUSTIFICATION: This Operational Safety Improvement Program (OSIP) is for the correction of discrepancies and to affect changes to Assault Electronic Countermeasure (ECM) equipment in the aircraft that have been delivered for fleet operations. These ECM systems require various upgrade initiative and logistic support to keep these aircraft mission capable with a robust defensive system that ensures its survivability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The contractor will conduct system testing, evaluations, environmental testing and qualification testing. The contract will modify Shop Replaceable Assembly's with Diminished Manufacturing Sources issues and develop Acceptance Test Plan's Engineering Change Proposal, verify testing and evaluations of new designs. The United States (U.S.) Navy Fleet Support Team will provide system engineering qualifications on aircraft, support equipment, develop Technical Directive and any additional Integrated Logistics Support requirements. Software support activity U.S. Navy and contractor to develop software integrations.

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LI 0576 - Common ECM Equipment
Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - Infrared Source					Installation Quantity: 624		

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date.												
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,229.461	92.461	119.873	157.531	-	157.531	250.014	228.967	203.906	182.360	394.918	3,859.491
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2,229.461	92.461	119.873	157.531	-	157.531	250.014	228.967	203.906	182.360	394.918	3,859.491
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,229.461	92.461	119.873	157.531	-	157.531	250.014	228.967	203.906	182.360	394.918	3,859.491
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date. 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. The Ground Proximity Warning Systems (GPWS-CAT I (Fixed Wing) and CAT III (Rotary Wing)) provide visual and aural warnings to the pilot when the aircraft is in a condition that could result in a controlled flight into terrain accident. 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. The Tactical Air Moving Map Capability (TAMMAC), the common solution for United States Naval Aviation, provides a common tactical aircraft moving map and data loading capability and replaces current obsolete fleet equipment. 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 2015 Navy												Date: March 2014								
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 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Global Positioning System (GPS) (OSIP 71-88)	P-3a		-	-	362.268	-	-	7.925	-	-	6.269	-	-	7.524	-	-	-	-	-	7.524
P-3a - 2 / Ground Proximity Warning System (GPWS CAT I) Fixed Wing (OSIP 14-97)	P-3a		-	-	103.480	-	-	0.150	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 3 / Ground Proximity Warning System (GPWS CAT III) Rotary Wing (OSIP 17-98)	P-3a		-	-	72.433	-	-	0.400	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 4 / Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)	P-3a		-	-	572.463	-	-	59.534	-	-	95.686	-	-	136.845	-	-	-	-	-	136.845
P-3a - 5 / Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02)	P-3a		-	-	335.533	-	-	1.969	-	-	0.900	-	-	-	-	-	-	-	-	-
P-3a - 6 / Tactical Aircraft Moving Map Capability (TAMMAC) (OSIP 02-02)	P-3a		-	-	122.668	-	-	2.590	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 7 / Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)	P-3a		-	-	24.989	-	-	3.013	-	-	0.940	-	-	0.713	-	-	-	-	-	0.713
P-3a - 8 / Avionics Component Improvement Program (AvCIP) (OSIP 11-09)	P-3a		-	-	5.821	-	-	-	-	-	3.183	-	-	3.823	-	-	-	-	-	3.823
P-3a - 9 / Blue Force Situational Awareness (OSIP 10-11)	P-3a		-	-	24.109	-	-	16.880	-	-	12.135	-	-	-	-	-	-	-	-	-
P-3a - 10 / Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)	P-3a		-	-	0.000	-	-	-	-	-	0.760	-	-	8.626	-	-	-	-	-	8.626
P-3a - 11 / Inactive OSIPs	P-3a		-	-	605.697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	2,229.461	-	-	92.461	-	-	119.873	-	-	157.531	-	-	-	-	-	157.531

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014				
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		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Global Positioning System (GPS) (OSIP 71-88)	P-3a		-	-	7.849	-	-	7.985	-	-	8.090	-	-	8.240	-	-	94.667	-	-	510.817
P-3a - 2 / Ground Proximity Warning System (GPWS CAT I) Fixed Wing (OSIP 14-97)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	103.630
P-3a - 3 / Ground Proximity Warning System (GPWS CAT III) Rotary Wing (OSIP 17-98)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72.833
P-3a - 4 / Communication - Navigation - Surveillance / Air Traffic Management (CNS/ ATM) Systems (OSIP 21-01)	P-3a		-	-	211.391	-	-	192.805	-	-	167.556	-	-	143.371	-	-	50.093	-	-	1,629.744
P-3a - 5 / Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	338.402
P-3a - 6 / Tactical Aircraft Moving Map Capability (TAMMAC) (OSIP 02-02)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	125.258
P-3a - 7 / Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)	P-3a		-	-	0.500	-	-	0.453	-	-	0.482	-	-	0.482	-	-	60.303	-	-	91.875
P-3a - 8 / Avionics Component Improvement Program (AvCIP) (OSIP 11-09)	P-3a		-	-	5.000	-	-	5.000	-	-	5.000	-	-	5.000	-	-	136.834	-	-	169.661
P-3a - 9 / Blue Force Situational Awareness (OSIP 10-11)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.124
P-3a - 10 / Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)	P-3a		-	-	25.274	-	-	22.724	-	-	22.778	-	-	25.267	-	-	53.021	-	-	158.450
P-3a - 11 / Inactive OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605.697
Total Gross/Weapon System Cost			-	-	250.014	-	-	228.967	-	-	203.906	-	-	182.360	-	-	394.918	-	-	3,859.491
*For the P-3a, Title represents the Modification Number / Title.																				
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 2015 Navy		Date: March 2014
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) 2015 is to procure the common equipment required for the individual aircraft platforms.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	362.268	7.925	6.269	7.524	-	7.524	7.849	7.985	8.090	8.240	94.667	510.817
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	362.268	7.925	6.269	7.524	-	7.524	7.849	7.985	8.090	8.240	94.667	510.817
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	362.268	7.925	6.269	7.524	-	7.524	7.849	7.985	8.090	8.240	94.667	510.817
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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⁾		387 / 9.216	24 / 1.949	12 / 1.679	24 / 2.328	- / -	24 / 2.328	24 / 2.352	27 / 2.779	29 / 2.900	29 / 2.929	136 / 13.584	692 / 39.716
1.1.2) NAVWAR (AV-8B) - NonOrganic ⁽²⁾		121 / 1.832	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	121 / 1.832
Subtotal: Recurring		- / 11.048	- / 1.949	- / 1.679	- / 2.328	- / -	- / 2.328	- / 2.352	- / 2.779	- / 2.900	- / 2.929	- / 13.584	- / 41.548
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		570 / 27.642	24 / 2.058	12 / 1.659	24 / 2.136	- / -	24 / 2.136	24 / 2.160	27 / 2.591	29 / 2.668	29 / 2.697	136 / 12.560	875 / 56.171
Subtotal: Recurring		- / 201.465	- / 2.058	- / 1.659	- / 2.136	- / -	- / 2.136	- / 2.160	- / 2.591	- / 2.668	- / 2.697	- / 12.560	- / 229.994
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)		3,125 / 240.942	48 / 4.007	24 / 3.338	48 / 4.464	- / -	48 / 4.464	48 / 4.512	54 / 5.370	58 / 5.568	58 / 5.626	272 / 26.144	3,735 / 299.971
Subtotal: Procurement, All Modification Items		- / 240.942	- / 4.007	- / 3.338	- / 4.464	- / -	- / 4.464	- / 4.512	- / 5.370	- / 5.568	- / 5.626	- / 26.144	- / 299.971
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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.476
3.6) ILS		- / 1.736	- / 0.317	- / 0.397	- / 0.341	- / -	- / 0.341	- / 0.342	- / 0.348	- / 0.354	- / 0.354	- / 5.133	- / 9.322
3.7) Other Support ⁽³⁾		- / 94.538	- / 2.693	- / 1.934	- / 1.575	- / -	- / 1.575	- / 1.654	- / 1.711	- / 1.706	- / 1.723	- / 57.990	- / 165.524
3.8) Interim Contractor Support		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	- / 116.626	- / 3.010	- / 2.331	- / 1.916	- / -	- / 1.916	- / 1.996	- / 2.059	- / 2.060	- / 2.077	- / 63.123	- / 195.198	
Installation													
Modification Item 1 of 1: Global Positioning System (GPS) (OSIP 71-88)	- / 4.700	- / 0.908	- / 0.600	- / 1.144	- / -	- / 1.144	- / 1.341	- / 0.556	- / 0.462	- / 0.537	- / 5.400	- / 15.648	
<i>Subtotal: Installation</i>	- / 4.700	- / 0.908	- / 0.600	- / 1.144	- / -	- / 1.144	- / 1.341	- / 0.556	- / 0.462	- / 0.537	- / 5.400	- / 15.648	
Total													
Total Cost (Procurement + Support + Installation)	362.268	7.925	6.269	7.524	-	7.524	7.849	7.985	8.090	8.240	94.667	510.817	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: The Boeing Company - All Aircraft (Excluding AV-8B)															Manufacturer Location: >St. Louis, MO																
Administrative Leadtime (<i>in Months</i>): 3															Production Leadtime (<i>in Months</i>): 18																
Dates		FY 2013			FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019											
Contract Dates		Dec 2012			Dec 2013			Dec 2014			Dec 2015			Dec 2016			Dec 2017			Dec 2018											
Delivery Dates		Aug 2015			May 2015			May 2016			May 2017			May 2018			May 2019			May 2020											
Installation Information																															
Method of Implementation: Equipment is provided to the platform PMA and installed as per airframe ECP/AFC. : Installation Name																															
Installation Cost		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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		242 / 3.324	14 / 0.757	4 / 0.600	36 / 0.844	- / 0.000	36 / 0.844	10 / 0.250	- / -	- / -	- / -	- / -	306 / 5.775																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.541	- / -	- / -	- / -	- / -	24 / 0.541																		
FY 2014		- / -	- / -	- / -	12 / 0.300	- / -	12 / 0.300	- / -	- / -	- / -	- / -	- / -	12 / 0.300																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.550	- / -	- / -	- / -	- / -	24 / 0.550																		
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 / 0.699	29 / 0.699																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	136 / 4.701	136 / 4.701																		
Total		242 / 3.324	14 / 0.757	4 / 0.600	48 / 1.144	- / -	48 / 1.144	58 / 1.341	24 / 0.556	27 / 0.462	29 / 0.537	165 / 5.400	611 / 14.121																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	242	-	8	2	4	-	4	-	-	12	-	12	24	24	10	-	24	-	-	-	24	-	-	-	27	-	-	-	29	165	611
Out	242	-	8	2	4	-	4	-	-	12	-	12	24	24	10	-	24	-	-	-	24	-	-	-	27	-	-	-	29	165	611

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: NAVWAR (AV-8B)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 1.376	13 / 0.151	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	116 / 1.527
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	103 / 1.376	13 / 0.151	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	116 / 1.527

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	5	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	116
Out	103	5	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	116

Method of Implementation (Organic): Organic - GPS	Installation Quantity: 2047
Method of Implementation (Organic): Organic - NAVWAR	Installation Quantity: 875
Method of Implementation (Organic): Not Installed - Training Equipment - GPS	Installation Quantity: 114
Method of Implementation (Organic): Not Installed - Training Equipment - NAVWAR	Installation Quantity: 3

Footnotes:

(1) **Delivery of A-kits for F/A-18E/F and EA-18G start 18 months after contract award. Due to joint procurements of the same kits with Australia in FY12 and FY13, delivery of A-kits is only 2 per month early in the program. The F/A-18 depot requires a full squadron (12 aircraft) of kits before starting installs which spreads installs over a two year period early in the program. Due to production line limitations and delays

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

the FY13 kits will begin delivery in 4Q FY15 for installations in FY16. FY15 kits will be delivered faster (at 4 per month) allowing these kits to be installed in one year. ** 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, (14) EP-3E A-Kit buys installed; (2) A-Kits turned over to the Central Kitting Activity (CKA). ** FY12, (36) F/A-18 E/F A-Kit buys were awarded FY13 (November 2012); First article Delivery is May 2014, installs begin 1Q of FY15 after 12 units delivered.

(2) ** FY10, PMA257 installed (3) AV-8B A-Kits procured by GPS. ** FY11, (2) A-Kits were procured before program office removed two crashed aircraft from inventory. A-Kits have been turned over to the Central Kitting Activity (CKA).

(3) ** Cost growth in FY15 and FY18 Other Support due to cost sharing with Royal Australian Air Force.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 2 / Ground Proximity Warning System (GPWS CAT I) Fixed Wing (OSIP 14-97)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	103.480	0.150	-	-	-	-	-	-	-	-	-	103.630
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	103.480	0.150	-	-	-	-	-	-	-	-	-	103.630
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	103.480	0.150	-	-	-	-	-	-	-	-	-	103.630
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Ground Proximity Warning Systems (GPWS) and Terrain Awareness Warning Systems (TAWS) use on-board sensors, digital terrain databases, and/or external signals to determine dangerous proximity to or closure toward terrain and provide cues and warnings to the aircrew. GPWS/TAWS systems are configurable to multiple platforms. Commercial and Government GPWS/TAWS implementations have shown a demonstrated dramatic reduction in controlled flight into terrain incidents. Operational Requirements Document # 850-88-12 dated 20 January 2012 validates this requirement.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: GPWS Category-I Operational Evaluation (P-3C) was successfully completed October 1993. Milestone III was successfully completed September 1996. Modifying existing GPWS software (95% reuse, 5% tailored to specific platform) for follow-on platforms. Software will be delivered for integration into platforms avionics suite.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 2 / Ground Proximity Warning System (GPWS CAT I) Fixed Wing (OSIP 14-97)					
Models of Systems Affected: All Aircraft as directed by OPNAV				Modification Type: Common Avionics Modification Common Avionics Modification				Related RDT&E PEs: 0604215N					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: Ground Proximity Warning System (GPWS CAT I) Fixed Wing (OSIP 14-97)													
A Kits													
Recurring													
1.1.1) GPWS CAT I Kit - Organic ⁽⁴⁾	216 / 3.592	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	216 / 3.592	
1.1.2) PY Installs - Organic	- / 6.819	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.819	
Subtotal: Recurring	- / 10.411	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.411	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	1 / 9.208	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 9.208	
Subtotal: Non-Recurring	- / 9.208	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.208	
B Kits													
Recurring													
2.1.1) GPWS CAT I Equip - Organic	228 / 12.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	228 / 12.005	
Subtotal: Recurring	- / 12.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.005	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 18.036	- / 0.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.049	
Subtotal: Non-Recurring	- / 18.036	- / 0.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.049	
Subtotal: Ground Proximity Warning System (GPWS CAT I) Fixed Wing (OSIP 14-97)	445 / 49.660	- / 0.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	445 / 49.673	
Subtotal: Procurement, All Modification Items	- / 49.660	- / 0.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 49.673	
Support (All Modification Items)													
3.1) Data	- / 0.866	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.866	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	3 / 1.596	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.596	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 3.735	- / 0.020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.755	
3.6) Other Support	- / 47.623	- / 0.117	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 47.740	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 53.820	- / 0.137	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 53.957	
Installation													

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes						Modification Number / Title: 2 / Ground Proximity Warning System (GPWS CAT I) Fixed Wing (OSIP 14-97)			
Models of Systems Affected: All Aircraft as directed by OPNAV				Modification Type: Common Avionics Modification Common Avionics Modification				Related RDT&E PEs: 0604215N					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	103.480	0.150	-	-	-	-	-	-	-	-	-	103.630	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0577 / Common Avionics Changes			Modification Number / Title: 2 / Ground Proximity Warning System (GPWS CAT I) Fixed Wing (OSIP 14-97)	
Modification Item 1 of 1: Ground Proximity Warning System (GPWS CAT I) Fixed Wing (OSIP 14-97)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - GPWS CAT I Kit					Installation Quantity: 216		
Method of Implementation (Organic): Not Installed - Installation Kits N/R					Installation Quantity: 1		
Method of Implementation (Organic): Organic - GPWS CAT I Equip					Installation Quantity: 228		
Method of Implementation (Organic): Not Installed - Training Equipment					Installation Quantity: 3		
Footnotes: ⁽⁴⁾ All installs were in Prior Years (PY's). Cost can be found under PY's install cost element.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 3 / Ground Proximity Warning System (GPWS CAT III) Rotary Wing (OSIP 17-98)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	72.433	0.400	-	-	-	-	-	-	-	-	-	72.833
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	72.433	0.400	-	-	-	-	-	-	-	-	-	72.833
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	72.433	0.400	-	-	-	-	-	-	-	-	-	72.833
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Ground Proximity Warning Systems (GPWS) and Terrain Awareness Warning Systems (TAWS) use on-board sensors, digital terrain databases, and/or external signals to determine dangerous proximity to or closure toward terrain and provide cues and warnings to the aircrew. GPWS/TAWS systems are configurable to multiple platforms. Commercial and Government GPWS/TAWS implementations have shown a demonstrated dramatic reduction in controlled flight into terrain incidents. Operational Requirements Document # 850-88-12 dated 20 January 2012 validates this requirement.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: GPWS Category III completed Milestone II in July 1993. Development Test was fully successful in May 1996. Operational Evaluation was successfully completed in August 1996. Milestone III was completed in May 1997. Modifying existing GPWS software (95% reuse, 5% tailored to specific platform) for each follow-on platform. Software will be delivered for integration into platforms avionics suite.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes					Modification Number / Title: 3 / Ground Proximity Warning System (GPWS CAT III) Rotary Wing (OSIP 17-98)				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: Ground Proximity Warning System (GPWS CAT III) Rotary Wing (OSIP 17-98)													
A Kits													
Recurring													
1.1.1) GPWS CAT III (A-Kit) - Organic ⁽⁵⁾	459 / 4.463	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	459 / 4.463	
1.1.2) PY Installs - Organic	- / 17.399	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.399	
Subtotal: Recurring	- / 11.862	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.862	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 1.258	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.258	
Subtotal: Non-Recurring	- / 1.258	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.258	
B Kits													
Recurring													
2.1.1) GPWS CAT III Equip (B-Kit) - Organic	460 / 21.161	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	460 / 21.161	
Subtotal: Recurring	- / 21.161	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.161	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 9.979	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.979	
Subtotal: Non-Recurring	- / 9.979	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.979	
Subtotal: Ground Proximity Warning System (GPWS CAT III) Rotary Wing (OSIP 17-98)	919 / 44.260	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	919 / 44.260	
Subtotal: Procurement, All Modification Items	- / 44.260	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 44.260	
Support (All Modification Items)													
3.1) Data	- / 1.029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.029	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 1.404	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.404	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 1.449	- / 0.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.513	
3.6) Other Support	- / 24.291	- / 0.336	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.627	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 28.173	- / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 28.573	

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LI 0577 - Common Avionics Changes

Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0577 / Common Avionics Changes			Modification Number / Title: 3 / Ground Proximity Warning System (GPWS CAT III) Rotary Wing (OSIP 17-98)	
Modification Item 1 of 1: Ground Proximity Warning System (GPWS CAT III) Rotary Wing (OSIP 17-98)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - GPWS CAT III (A-Kit)					Installation Quantity: 459		
Method of Implementation (Organic): Organic - GPWS CAT III Equip (B-Kit)					Installation Quantity: 460		
Footnotes: ⁽⁵⁾ All installs were in Prior Years (PY's). Cost can be found under PY's Install cost element.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 4 / Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	572.463	59.534	95.686	136.845	-	136.845	211.391	192.805	167.556	143.371	50.093	1,629.744
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	572.463	59.534	95.686	136.845	-	136.845	211.391	192.805	167.556	143.371	50.093	1,629.744
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	572.463	59.534	95.686	136.845	-	136.845	211.391	192.805	167.556	143.371	50.093	1,629.744
<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>	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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. Examples of required functionality include Mode S datalink, 8.33 kHz Very High Frequency communications, Required Navigation Performance Area Navigation (RNP RNAV), Required Vertical Separation Minimum (RVSM), Automatic Dependent Surveillance - Broadcast Out (ADS-B), 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)
 C-2A ADS-B (FY14-FY17)
 K/C-130J 8.33 kHz (FY14)
 VH-60N 8.33 kHz (FY14), Mode S (FY14), RNP RNAV (FY14), ADS-B (FY17-FY18)
 MH-53E 8.33 kHz (FY18), Mode S (FY15-FY18), RNAV (FY15-FY18), ADS-B (FY16-FY18)
 MH-60R/S 8.33 kHz (FY14), Mode S (FY13-FY14), RNP RNAV (FY14-FY18), ADS-B (FY15-FY19)
 F-18C/D Mode S (FY13-FY14), RNP RNAV (FY10-FY17), RVSM (FY13-FY17), ADS-B (FY13-FY18)
 F-18E/F/G RNP RNAV (FY10 -FY15), ADS-B (FY13-FY19)
 MV-22B 8.33 kHz (FY14-FY15), Mode S (FY13-FY14), RNP RNAV (FY15-FY17), ADS-B (FY16-FY19)
 AH-1Z/UH-1Y 8.33 kHz (FY14-FY15), Mode S (FY14-FY15), RNP RNAV (FY14-FY19), ADS-B (FY16-FY18)
 T/AV-8B Mode S (FY14), RNP RNAV (FY13-FY18), RVSM (FY13-FY14), ADS-B (FY16-FY20)
 F-18A+ Mode S (FY13-FY17), RNP RNAV (FY13-FY17), RVSM (FY13-FY17), ADS-B (FY16-FY18)
 C-130T Mode S (FY12-FY14), RNP RNAV (FY12-FY16), ADS-B (FY13-FY16)
 KC-130T 8.33 kHz (FY12-FY14)
 T-45 Mode S (FY15-FY16), RNP RNAV (FY15-FY16), ADS-B (FY15-FY19)

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 4 / Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)
P-8A RNP RNAV (FY10-FY14), ADS-B (FY15-FY19) E-2D ADS-B (FY16-FY18) CH-53K ADS-B (FY16-FY18) CH-53E ADS-B (FY16-FY18) T-38C ADS-B (FY16)		

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes					Modification Number / Title: 4 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 Kit - NonOrganic ⁽⁶⁾	277 / 20.582	5 / 1.041	- / -	- / -	- / -	- / -	8 / 0.955	12 / 1.668	18 / 1.413	62 / 2.462	55 / 4.274	437 / 32.395	
Subtotal: Recurring	- / 20.582	- / 1.041	- / -	- / -	- / -	- / -	- / 0.955	- / 1.668	- / 1.413	- / 2.462	- / 4.274	- / 32.395	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽⁷⁾	- / 27.717	- / -	- / 7.269	- / 3.119	- / -	- / 3.119	- / 5.062	- / 2.464	- / 0.450	- / -	- / -	- / 46.081	
Subtotal: Non-Recurring	- / 27.717	- / -	- / 7.269	- / 3.119	- / -	- / 3.119	- / 5.062	- / 2.464	- / 0.450	- / -	- / -	- / 46.081	
B Kits													
Recurring													
2.1.1) Installation Equipment - CNS/ATM Equip - Organic	985 / 92.847	54 / 7.886	27 / 2.963	83 / 5.131	- / -	83 / 5.131	618 / 20.236	1,110 / 48.335	1,442 / 53.769	656 / 83.528	87 / 3.296	5,062 / 317.991	
2.1.2) Installation Equipment - CNS/ATM P-ILS - Organic	713 / 2.731	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	713 / 2.731	
Subtotal: Recurring	- / 95.578	- / 7.886	- / 2.963	- / 5.131	- / -	- / 5.131	- / 20.236	- / 48.335	- / 53.769	- / 83.528	- / 3.296	- / 320.722	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽⁸⁾	14 / 148.123	- / 17.045	1 / 54.519	1 / 78.628	- / -	1 / 78.628	1 / 117.592	- / 57.576	- / 30.602	- / 4.744	- / 0.230	17 / 509.059	
Subtotal: Non-Recurring	- / 148.123	- / 17.045	- / 54.519	- / 78.628	- / -	- / 78.628	- / 117.592	- / 57.576	- / 30.602	- / 4.744	- / 0.230	- / 509.059	
Subtotal: Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)	1,989 / 292.000	59 / 25.972	28 / 64.751	84 / 86.878	- / -	84 / 86.878	627 / 143.845	1,122 / 110.043	1,460 / 86.234	718 / 90.734	142 / 7.800	6,229 / 908.257	
Subtotal: Procurement, All Modification Items	- / 292.000	- / 25.972	- / 64.751	- / 86.878	- / -	- / 86.878	- / 143.845	- / 110.043	- / 86.234	- / 90.734	- / 7.800	- / 908.257	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 1.368	- / 0.079	- / 0.211	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.658	
3.2) Data ⁽⁹⁾	- / 10.876	- / 0.156	- / 0.302	- / -	- / -	- / -	- / -	- / 0.465	- / 0.791	- / 0.269	- / -	- / 12.859	
3.3) Training ⁽¹⁰⁾	20 / 21.227	- / -	- / 0.298	- / 2.413	- / -	- / 2.413	1 / 8.699	2 / 13.260	2 / 16.444	- / 5.267	- / 0.291	25 / 67.899	
3.4) Support Equipment	- / 0.819	- / 0.077	- / 0.022	- / -	- / -	- / -	- / 0.235	- / 0.335	- / 0.178	- / 0.034	- / -	- / 1.700	
3.5) ILS	- / 7.494	- / 0.109	- / 0.416	- / 0.424	- / -	- / 0.424	- / 0.432	- / 0.445	- / 0.452	- / 0.174	- / 0.024	- / 9.970	

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LI 0577 - Common Avionics Changes

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 4 / 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)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Various							Manufacturer Location: >Various																								
Administrative Leadtime (in Months): 4							Production Leadtime (in Months): 11																								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																								
Contract Dates	Jan 2013			Jan 2016	Jan 2017	Jan 2018	Jan 2019																								
Delivery Dates	Dec 2013			Dec 2016	Dec 2017	Dec 2018	Dec 2019																								
Installation Information																															
Method of Implementation: USN Field Modification Team : Installation Name: CNS/ATM Kit																															
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years	265 / 25.717	7 / 3.662	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	272 / 29.379																			
FY 2013	- / -	- / -	5 / 3.394	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.394																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.539	- / -	- / -	- / -	8 / 1.539																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 2.562	- / -	- / -	12 / 2.562																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 2.329	- / -	18 / 2.329																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	62 / 1.446	62 / 1.446																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 2.840	55 / 2.840																			
Total	265 / 25.717	7 / 3.662	5 / 3.394	- / -	- / -	- / -	- / -	8 / 1.539	12 / 2.562	18 / 2.329	117 / 4.286	432 / 43.489																			
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	265	1	2	2	2	1	1	1	2	-	-	-	-	-	-	-	-	2	2	2	2	3	3	3	3	4	4	5	5	117	432
Out	265	1	2	2	2	1	1	1	2	-	-	-	-	-	-	-	-	2	2	2	2	3	3	3	3	4	4	5	5	117	432
Method of Implementation (Organic): Organic - Installation Equipment - CNS/ATM Equip														Installation Quantity: 5062																	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 4 / 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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - Installation Equipment - CNS/ATM P-ILS		Installation Quantity: 713
Method of Implementation (Organic): Not Installed - Installation Equipment N/R		Installation Quantity: 17
Method of Implementation (Organic): Not Installed - Training		Installation Quantity: 25
Footnotes: (6) 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. ** E-2C GNS-530 COTS item; no production lead time. ** Production Lead Time is acceptable and does not impact induction of aircraft due to length of aircraft modification. ** FY12, installed (5) prior year E-2 A-Kits due to FY11 House Appropriations Committee (HAC) Mark. ** FY13, PMA290 installed (5) P-3a A-Kits. ** FY14, the B-Kit ship set quantities for the F/A-18 A+ reflect the APX-111 Mode S upgrades, no A-Kits required or install required for the APX-111 [v. -20]. (7) **Increase in FY15-FY18 is due to the increase in ADS-B (Out) funding. CNS/ATM had existing ADS-B (Out) requirements already in the budget, additional funding received for additional platforms in order to meet the Federal Aviation Administration (FAA) Mandates Fact-of-Life. (8) **FY14 includes efforts for the MH-53, C-2, MH-60R, and AH-1Z platforms which commenced this year, while continuing efforts for the AV-8B and KC-130T. In addition, software anomalies and integration issues discovered in the F/A-18 have delayed RNP/RNAV completion on that platform from FY13 to FY16. This effort drove the cost increase between PB13 and PB14. No platforms were accelerated. **Increase in FY15-FY18 is due to the increase in ADS-B (Out) funding. CNS/ATM had existing ADS-B (Out) requirements already in the budget, additional funding received for additional platforms in order to meet the Federal Aviation Administration (FAA) Mandates Fact-of-Life. (9) **Data effort is funded at the completion of integration effort. Gap in data funding in FY15/16 reflects no integration efforts being completed in those years. (10) **Increase in FY15-FY18 is due to the increase in ADS-B (Out) funding. CNS/ATM had existing ADS-B (Out) requirements already in the budget, additional funding received for additional platforms in order to meet the Federal Aviation Administration (FAA) Mandates Fact-of-Life. (11) ** The growth in FY15 - FY18 in other support is due to the increase of ADS-B funding. CNS/ATM had existing ADS-B Out requirements already in the budget, additional funding received for additional platforms in order to meet the Federal Aviation Administration (FAA) Mandates Fact-of-Life.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 5 / Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	335.533	1.969	0.900	-	-	-	-	-	-	-	-	338.402
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	335.533	1.969	0.900	-	-	-	-	-	-	-	-	338.402
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	335.533	1.969	0.900	-	-	-	-	-	-	-	-	338.402
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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.

FY13 & FY14 activity covers government management and oversight of Shop Replaceable Assemblies (SRAs) integration and installation into previously procured WRAs, and installation/coordination of WRA back into the aircraft (no aircraft install costs, O-level installs will be done by AV-8B). These SRA upgrades increase capability and longevity of the existing aircraft. Without these upgrades, the aircraft will no longer be operational, and will no longer be capable of flying by 2015. These upgrades will increase the life of aircraft through 2027.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 5 / Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02)
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 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes					Modification Number / Title: 5 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽¹²⁾	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	- / 90.693	- / 0.213	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 90.906	
Subtotal: Non-Recurring	- / 90.693	- / 0.213	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 90.906	
Subtotal: Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02)	1,218 / 275.822	- / 0.213	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,218 / 276.035	
Subtotal: Procurement, All Modification Items	- / 275.822	- / 0.213	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 276.035	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 7.954	- / 0.485	- / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.339	
3.2) Data	- / 1.427	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.427	
3.3) Training Equipment	- / 1.926	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.926	
3.4) Support Equipment	- / 2.343	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.343	
3.5) ILS	- / 9.996	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.996	
3.6) Other Support	- / 36.065	- / 1.271	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.336	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 59.711	- / 1.756	- / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 62.367	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes					Modification Number / Title: 5 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)		335.533	1.969	0.900	-	-	-	-	-	-	-	-	338.402

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0577 / Common Avionics Changes		Modification Number / Title: 5 / 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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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: ⁽¹²⁾ **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 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 6 / Tactical Aircraft Moving Map Capability (TAMMAC) (OSIP 02-02)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	122.668	2.590	-	-	-	-	-	-	-	-	-	125.258
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	122.668	2.590	-	-	-	-	-	-	-	-	-	125.258
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	122.668	2.590	-	-	-	-	-	-	-	-	-	125.258
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Tactical Aircraft Moving Map Capability (TAMMAC) provides the aircrew an easily assimilated graphical presentation of the aircraft's position and the relative positions of targets, threats, terrain features, planned mission flight path, no fly zones, safe bases and other objects. The program presents the aircraft's current situation on a map using new or existing cockpit displays. In addition to providing a moving map capability, the program provides a memory resource for the overall aircraft mission system and incorporates an improved data transfer and recording capability. This memory resource includes a data loader function of sufficient memory capacity and speed to load/update all required map theater and mission specific databases as well as the ability to record mission and maintenance data. TAMMAC will also provide a Terrain Awareness Warning System capability. The principle benefits anticipated, increased mission effectiveness and survivability, arise from improved situation awareness, reduced crew workload and enhanced capability for precision navigation, targeting, terrain avoidance, and mission re-planning. The TAMMAC program will procure and modify TAMMAC hardware and software technology as well as support the re-use of existing hardware when appropriate for all naval aviation aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Milestone III approved April 2001.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 6 / Tactical Aircraft Moving Map Capability (TAMMAC) (OSIP 02-02)					
Models of Systems Affected: All Aircraft as directed by OPNAV				Modification Type: Common Avionics Modification				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: Tactical Aircraft Moving Map Capability (TAMMAC) (OSIP 02-02)													
A Kits													
Recurring													
1.1.1) TAMMAC Kit - NonOrganic ⁽¹³⁾	549 / 2.791	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	549 / 2.791	
Subtotal: Recurring	- / 2.791	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.791	
B Kits													
Recurring													
2.1.1) TAMMAC Equip - Organic	786 / 40.201	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	786 / 40.201	
Subtotal: Recurring	- / 40.201	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 40.201	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 41.980	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 41.980	
Subtotal: Non-Recurring	- / 41.980	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 41.980	
Subtotal: Tactical Aircraft Moving Map Capability (TAMMAC) (OSIP 02-02)	1,335 / 84.972	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,335 / 84.972	
Subtotal: Procurement, All Modification Items	- / 84.972	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 84.972	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 1.069	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.069	
3.2) Data	- / 0.626	- / 0.026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.652	
3.3) Training Equipment	- / 0.066	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.066	
3.4) Support Equipment	399 / 1.481	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	399 / 1.481	
3.5) ILS	- / 3.401	- / 0.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.611	
3.6) Other Support	- / 23.867	- / 1.686	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 25.553	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 30.510	- / 1.922	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 32.432	
Installation													
Modification Item 1 of 1: Tactical Aircraft Moving Map Capability (TAMMAC) (OSIP 02-02)	- / 7.186	- / 0.668	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.854	
Subtotal: Installation	- / 7.186	- / 0.668	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.854	
Total													

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0577 / Common Avionics Changes						Modification Number / Title: 6 / Tactical Aircraft Moving Map Capability (TAMMAC) (OSIP 02-02)			
Models of Systems Affected: All Aircraft as directed by OPNAV			Modification Type: Common Avionics Modification				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)	122.668	2.590	-	-	-	-	-	-	-	-	125.258

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 6 / Tactical Aircraft Moving Map Capability (TAMMAC) (OSIP 02-02)																							
Modification Item 1 of 1: Tactical Aircraft Moving Map Capability (TAMMAC) (OSIP 02-02)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Various							Manufacturer Location: >Various																								
Administrative Leadtime (in Months): 7							Production Leadtime (in Months): 12																								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																								
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: USN Field Modification Team : Installation Name: TAMMAC Kit																															
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years	515 / 7.186	29 / 0.668	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	544 / 7.854																			
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	515 / 7.186	29 / 0.668	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	544 / 7.854																			
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	515	3	4	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	544
Out	515	3	4	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	544
Method of Implementation (Organic): Organic - TAMMAC Equip																				Installation Quantity: 786											
Method of Implementation (Organic): Not Installed - Support Equipment																				Installation Quantity: 399											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 6 / Tactical Aircraft Moving Map Capability (TAMMAC) (OSIP 02-02)

Footnotes:
(13) ** Difference in A-Kits and B-Kits reflect procurements of Advanced Memory Unit (AMU) only and Digital Video Map Computer (DVMC) retrofits - no A-Kit required. ** In Prior Years, (3) F/A-18 C/D A-Kits procured but were stricken from record prior to AFC327. ** FY11, (2) F/A-18 C/D installs were completed by PMA265. ** FY11/12/13 to support wartime efforts, AV-8B's 4 year Integrated Master Plan (IMP) install schedule changed to a 5 year Install Schedule.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 7 / Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	24.989	3.013	0.940	0.713	-	0.713	0.500	0.453	0.482	0.482	60.303	91.875
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	24.989	3.013	0.940	0.713	-	0.713	0.500	0.453	0.482	0.482	60.303	91.875
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	24.989	3.013	0.940	0.713	-	0.713	0.500	0.453	0.482	0.482	60.303	91.875
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 susceptible to a water ditching and likely long cord entanglement scenario. Long cord entanglement and subsequent drowning is a documented cause of death in previous mishap investigations. The program will procure new and/or modify existing equipment for Naval Aviation 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 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes					Modification Number / Title: 7 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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⁾		484 / 1.589	21 / 0.056	34 / 0.090	16 / 0.043	- / -	16 / 0.043	6 / 0.021	2 / 0.010	2 / 0.010	2 / 0.007	1,019 / 4.898	1,586 / 6.724
Subtotal: Recurring		- / 1.589	- / 0.056	- / 0.090	- / 0.043	- / -	- / 0.043	- / 0.021	- / 0.010	- / 0.010	- / 0.007	- / 4.898	- / 6.724
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⁾		524 / 5.837	21 / 0.200	- / -	- / -	- / -	- / -	2 / -	2 / -	2 / -	2 / -	1,019 / 41.096	1,572 / 47.133
Subtotal: Recurring		- / 5.837	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 41.096	- / 47.133
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic		- / 1.632	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.632
Subtotal: Non-Recurring		- / 1.632	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.632
Subtotal: Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)		1,008 / 9.391	42 / 0.256	34 / 0.090	16 / 0.043	- / -	16 / 0.043	8 / 0.021	4 / 0.010	4 / 0.010	4 / 0.007	2,038 / 45.994	3,158 / 55.822
Subtotal: Procurement, All Modification Items		- / 9.391	- / 0.256	- / 0.090	- / 0.043	- / -	- / 0.043	- / 0.021	- / 0.010	- / 0.010	- / 0.007	- / 45.994	- / 55.822
Support (All Modification Items)													
3.1) Data		- / 0.199	- / 0.033	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.232
3.2) Engineering Change Orders		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment		- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.100
3.4) Support Equipment		- / 0.208	- / 0.159	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.367
3.5) ILS		- / 1.342	- / 0.012	- / 0.010	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.364
3.6) Other Support		- / 10.882	- / 2.409	- / 0.704	- / 0.605	- / -	- / 0.605	- / 0.463	- / 0.422	- / 0.451	- / 0.454	- / 4.742	- / 21.132
3.7) Interim Contractor Support		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support		- / 12.731	- / 2.613	- / 0.714	- / 0.605	- / -	- / 0.605	- / 0.463	- / 0.422	- / 0.451	- / 0.454	- / 4.742	- / 23.195
Installation													

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes						Modification Number / Title: 7 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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)	- / 2.867	- / 0.144	- / 0.136	- / 0.065	- / -	- / 0.065	- / 0.016	- / 0.021	- / 0.021	- / 0.021	- / 9.567	- / 12.858	
<i>Subtotal: Installation</i>	- / 2.867	- / 0.144	- / 0.136	- / 0.065	- / -	- / 0.065	- / 0.016	- / 0.021	- / 0.021	- / 0.021	- / 9.567	- / 12.858	
Total													
Total Cost (Procurement + Support + Installation)	24.989	3.013	0.940	0.713	-	0.713	0.500	0.453	0.482	0.482	60.303	91.875	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0577 / Common Avionics Changes										Modification Number / Title: 7 / Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)											
Modification Item 1 of 1: Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: TBD ⁽¹⁶⁾														Manufacturer Location: >TBD																	
Administrative Leadtime (in Months): 3														Production Leadtime (in Months): 10																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Dec 2012				Dec 2013				Dec 2014				Dec 2015				Dec 2016				Dec 2017				Dec 2018					
Delivery Dates		Mar 2013				Mar 2014				Mar 2015				Mar 2016				Oct 2017				Oct 2018				Oct 2019					
Installation Information																															
Method of Implementation: Contractor or USN Field Mod Team : Installation Name: Installation Kits (A-Kits)																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		443 / 2.867		15 / 0.060		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		458 / 2.927					
FY 2013		- / -		21 / 0.084		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		21 / 0.084					
FY 2014		- / -		- / -		34 / 0.136		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		34 / 0.136					
FY 2015		- / -		- / -		- / -		16 / 0.065		- / -		16 / 0.065		- / -		- / -		- / -		- / -		- / -		- / -		16 / 0.065					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		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 / 0.021		2 / 0.021					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1,019 / 9.546		1,019 / 9.546					
Total		443 / 2.867		36 / 0.144		34 / 0.136		16 / 0.065		- / -		16 / 0.065		4 / 0.016		2 / 0.021		2 / 0.021		2 / 0.021		2 / 0.021		1,021 / 9.567		1,560 / 12.858					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	443	-	12	12	12	-	11	11	12	-	5	5	6	-	1	1	2	2	-	-	-	1	1	-	-	1	1	-	-	1,021	1,560
Out	443	-	12	12	12	-	11	11	12	-	5	5	6	-	1	1	2	2	-	-	-	1	1	-	-	1	1	-	-	1,021	1,560
Method of Implementation (Organic): Organic - AWICS Equip																															
																								Installation Quantity: 1572							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 7 / Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)

Footnotes:

⁽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. ******FY07,(2) MV-22 A-Kit procured and install funded by Platform Program Office. FY10, Moved (5) MH-53E A-Kits and Installs and (5) CH-53D A-Kits and Installs to CH-46E (B-Kits provided by Platform Program Office). ******FY11, (1) MV-22B A-Kit procured and install funded by Platform Program Office. FY11, (5) A-Kits for UH-1Y being installed in FY12 were returned to CKA and will not be installed. FY15, Per OPNAV N98's direction continuing unencrypted for the MH-60 for the AWICS.

⁽¹⁵⁾ FY07, HH-1N - (1) B-Kit taken from inventory, no need to purchase kit. ****** FY10, CH-46E Platform Program Office provided (12) B-Kits. ****** 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, 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 5 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 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 8 / Avionics Component Improvement Program (AvCIP) (OSIP 11-09)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	5.821	-	3.183	3.823	-	3.823	5.000	5.000	5.000	5.000	136.834	169.661
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	5.821	-	3.183	3.823	-	3.823	5.000	5.000	5.000	5.000	136.834	169.661
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5.821	-	3.183	3.823	-	3.823	5.000	5.000	5.000	5.000	136.834	169.661
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Avionics Component Improvement Program (AvCIP) provides resources to address critical readiness, reliability deficiencies, obsolescence, demonstrations, 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 and executability, 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 of fielding of 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 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 8 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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⁾	- / -	- / -	10 / 1.600	10 / 1.700	- / -	10 / 1.700	12 / 2.098	12 / 2.098	12 / 2.098	12 / 2.098	150 / 47.320	218 / 59.012	
Subtotal: Recurring	- / 0.000	- / -	- / 1.600	- / 1.700	- / -	- / 1.700	- / 2.098	- / 2.098	- / 2.098	- / 2.098	- / 47.320	- / 59.012	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽¹⁸⁾	- / 2.784	- / -	- / 1.220	- / 1.250	- / -	- / 1.250	- / 1.852	- / 1.752	- / 1.752	- / 1.752	- / 64.375	- / 76.737	
Subtotal: Non-Recurring	- / 2.784	- / -	- / 1.220	- / 1.250	- / -	- / 1.250	- / 1.852	- / 1.752	- / 1.752	- / 1.752	- / 64.375	- / 76.737	
Subtotal: Avionics Component Improvement Program (AvCIP) (OSIP 11-09)	- / 2.784	- / -	10 / 2.820	10 / 2.950	- / -	10 / 2.950	12 / 3.950	12 / 3.850	12 / 3.850	12 / 3.850	150 / 111.695	218 / 135.749	
Subtotal: Procurement, All Modification Items	- / 2.784	- / -	- / 2.820	- / 2.950	- / -	- / 2.950	- / 3.950	- / 3.850	- / 3.850	- / 3.850	- / 111.695	- / 135.749	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) ILS	- / 0.050	- / -	- / 0.050	- / 0.050	- / -	- / 0.050	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / 5.211	- / 5.761	
3.4) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support	- / 2.987	- / -	- / 0.313	- / 0.323	- / -	- / 0.323	- / 0.450	- / 0.450	- / 0.450	- / 0.450	- / 13.028	- / 18.451	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 3.037	- / -	- / 0.363	- / 0.373	- / -	- / 0.373	- / 0.550	- / 0.550	- / 0.550	- / 0.550	- / 18.239	- / 24.212	
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	- / 6.900	- / 9.700	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 0.500	- / -	- / 0.500	- / 0.500	- / 0.600	- / 0.600	- / 0.600	- / 6.900	- / 9.700	
Total													
Total Cost (Procurement + Support + Installation)	5.821	-	3.183	3.823	-	3.823	5.000	5.000	5.000	5.000	136.834	169.661	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 8 / Avionics Component Improvement Program (AvCIP) (OSIP 11-09)																							
Modification Item 1 of 1: Avionics Component Improvement Program (AvCIP) (OSIP 11-09)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: TBD							Manufacturer Location: >TBD																								
Administrative Leadtime (<i>in Months</i>): 2							Production Leadtime (<i>in Months</i>): 15																								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																								
Contract Dates		Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018																								
Delivery Dates		Feb 2015	Feb 2016	Feb 2017	Feb 2018	Feb 2019	Feb 2020																								
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014	- / -	- / -	- / -	10 / 0.500	- / -	10 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.500																		
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	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																		
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 6.300	- / -	150 / 6.300																		
Total	- / -	- / -	- / -	10 / 0.500	- / -	10 / 0.500	10 / 0.500	12 / 0.600	12 / 0.600	12 / 0.600	162 / 6.900	- / -	218 / 9.700																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	3	3	4	-	4	4	4	-	4	4	4	-	4	4	4	162	218
Out	-	-	-	-	-	-	-	-	-	-	3	3	4	-	3	3	4	-	4	4	4	-	4	4	4	-	4	4	4	162	218
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.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 8 / Avionics Component Improvement Program (AvCIP) (OSIP 11-09)

(18) ** B-Kits (equipment modification) funding to date are as follows: AV-8B Series, C-2 Series, CH-53 Series, E-2 Series, E-6 Series, EA-6B Series, FA-18 Series, H-1 Series, MH-60 Series, P-3 Series, SH-60 Series, T-45 Series modifications and Common Avionics Systems.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 9 / Blue Force Situational Awareness (OSIP 10-11)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	24.109	16.880	12.135	-	-	-	-	-	-	-	-	53.124
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	24.109	16.880	12.135	-	-	-	-	-	-	-	-	53.124
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	24.109	16.880	12.135	-	-	-	-	-	-	-	-	53.124
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 AIR Combat Electronics (ACE) MAGTF elements will not change in OEF through FY14. A MAGTF ACE element will remain deployed in Operation Enduring Freedom (OEF) in order to support Special Operating Forces beyond FY14 (current plans through FY16). BFSA is a Combatant Commander requirement for all aircraft operating in OEF. The completed Universal Need Statements (UNS) identifies operational enhancement opportunities and deficiencies in capabilities. BFSA provides battlefield situational awareness and enables command and control which will facilitate ROE's and mitigates fratricide of Blue Forces in OEF. 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 Corp (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 needs for an in theater OEF requirement for two way BFSA capability and 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 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes					Modification Number / Title: 9 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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⁾		74 / 2.853	103 / 2.406	52 / 0.433	- / -	- / -	- / -	- / -	- / -	- / -	- / -	229 / 5.692	
Subtotal: Recurring		- / 2.853	- / 2.406	- / 0.433	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.692	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic		- / 2.346	- / 0.586	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.932	
Subtotal: Non-Recurring		- / 2.346	- / 0.586	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.932	
B Kits													
Recurring													
2.1.1) BFSa Equip - Organic		138 / 5.107	108 / 5.738	52 / 0.974	- / -	- / -	- / -	- / -	- / -	- / -	- / -	298 / 11.819	
Subtotal: Recurring		- / 5.107	- / 5.738	- / 0.974	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.819	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic		- / 3.893	- / 1.222	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.115	
Subtotal: Non-Recurring		- / 3.893	- / 1.222	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.115	
Subtotal: Blue Force Situational Awareness (OSIP 10-11)		212 / 14.199	211 / 9.952	104 / 1.407	- / -	- / -	- / -	- / -	- / -	- / -	- / -	527 / 25.558	
Subtotal: Procurement, All Modification Items		- / 14.199	- / 9.952	- / 1.407	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 25.558	
Support (All Modification Items)													
3.1) Engineering Change Orders		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment		- / -	- / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.400	
3.4) Support Equipment		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS		- / 0.839	- / 0.466	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.605	
3.6) Other Support		- / 7.404	- / 4.012	- / 4.340	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.756	
Subtotal: Support		- / 8.243	- / 4.878	- / 4.640	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.761	
Installation													
Modification Item 1 of 1: Blue Force Situational Awareness (OSIP 10-11)		- / 1.667	- / 2.050	- / 6.088	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.805	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes						Modification Number / Title: 9 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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: Installation</i>	- / 1.667	- / 2.050	- / 6.088	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.805	
Total													
Total Cost (Procurement + Support + Installation)	24.109	16.880	12.135	-	-	-	-	-	-	-	-	53.124	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0577 / Common Avionics Changes										Modification Number / Title: 9 / Blue Force Situational Awareness (OSIP 10-11)											
Modification Item 1 of 1: Blue Force Situational Awareness (OSIP 10-11)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Various															Manufacturer Location: >Various																
Administrative Leadtime (in Months): 6															Production Leadtime (in Months): 7																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Mar 2013				Mar 2014																									
Delivery Dates		Oct 2013				Oct 2014																									
Installation Information																															
Method of Implementation: Contractor or USN Field Modification Team : Installation Name: BFSa Kit																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 / 1.667		73 / 2.050		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		110 / 3.717					
FY 2013		- / -		- / -		103 / 6.088		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		103 / 6.088					
FY 2014		- / -		- / -		- / -		52 / -		- / -		52 / -		- / -		- / -		- / -		- / -		- / -		- / -		52 / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		37 / 1.667		73 / 2.050		103 / 6.088		52 / -		- / -		52 / -		- / -		- / -		- / -		- / -		- / -		- / -		265 / 9.805					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	18	18	18	19	25	26	26	26	13	13	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
Out	37	18	18	18	19	25	26	26	26	13	13	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
Method of Implementation (Organic): Organic - BFSa Equip																															
																				Installation Quantity: 298											
Footnotes:																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 9 / 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. ** Prior Year PMA261 funded 36 A-Kits; PMA209 funded 32 A-Kits; for a total of 68 CH-53E A-Kits. ** FY11, PMA 209 procured (6) portable palletized B-Kits for 10 KC-130J aircraft. ** FY13, (5) Tactical Ops Center B-Kits have no A-Kits or installs associated. ** FY13 & FY14 were submitted as OCO requests, but moved to Baseline. ** FY14 (52) A-Kits are OCO funded; installs will occur in FY15 with FY14 OCO funds.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 10 / Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	0.760	8.626	-	8.626	25.274	22.724	22.778	25.267	53.021	158.450
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	0.760	8.626	-	8.626	25.274	22.724	22.778	25.267	53.021	158.450
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	0.760	8.626	-	8.626	25.274	22.724	22.778	25.267	53.021	158.450
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 site activations, license procurements and procuring hardware, as required, to capture aircraft parametric data and data downloading capability and to allow for the processing & analysis required by the MFOQA program. Efforts will also include hardware & software upgrades to the various Squadrons' ground/work stations to enable MFOQA implementation. 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.

Milestone B 1st Qtr. FY07, Milestone C 2nd Qtr. FY14, Initial Operational Capability (IOC) 2nd Qtr. FY14.

Modifying baseline MFOQA software (90% reuse, 10% tailored to specific platform) for each follow-on platform. Software will be integrated on existing MFOQA servers.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0577 / Common Avionics Changes					Modification Number / Title: 10 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽²⁰⁾	- / -	- / -	29 / 0.009	38 / 0.012	- / -	38 / 0.012	21 / 0.008	26 / 0.007	19 / 0.007	13 / 0.005	96 / 0.033	242 / 0.081
Subtotal: Recurring	- / 0.000	- / -	- / 0.009	- / 0.012	- / -	- / 0.012	- / 0.008	- / 0.007	- / 0.007	- / 0.005	- / 0.033	- / 0.081
Non-Recurring												
2.2.1) B-Kit Installation Equipment N/R - Organic ⁽²¹⁾	- / -	- / -	- / -	- / 4.400	- / -	- / 4.400	- / 13.883	- / 13.074	- / 13.272	- / 13.784	- / 23.929	- / 82.342
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / 4.400	- / -	- / 4.400	- / 13.883	- / 13.074	- / 13.272	- / 13.784	- / 23.929	- / 82.342
Subtotal: Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)	- / -	- / -	29 / 0.009	38 / 4.412	- / -	38 / 4.412	21 / 13.891	26 / 13.081	19 / 13.279	13 / 13.789	96 / 23.962	242 / 82.423
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 0.009	- / 4.412	- / -	- / 4.412	- / 13.891	- / 13.081	- / 13.279	- / 13.789	- / 23.962	- / 82.423
Support (All Modification Items)												
3.1) Engineering Change Orders	- / -	- / -	- / 0.056	- / 0.298	- / -	- / 0.298	- / 3.147	- / 2.684	- / 2.639	- / 3.117	- / 5.146	- / 17.087
3.2) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.138	- / 0.095	- / 0.097	- / 0.099	- / 0.100	- / 0.529
3.3) ILS ⁽²²⁾	- / -	- / -	- / -	- / 0.103	- / -	- / 0.103	- / 0.300	- / 0.265	- / 0.270	- / 0.275	- / 1.169	- / 2.382
3.4) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Other Support	- / -	- / -	- / 0.135	- / 3.111	- / -	- / 3.111	- / 7.314	- / 6.173	- / 6.048	- / 7.611	- / 20.419	- / 50.811
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / -	- / 0.191	- / 3.512	- / -	- / 3.512	- / 10.899	- / 9.217	- / 9.054	- / 11.102	- / 26.834	- / 70.809
Installation												
Modification Item 1 of 1: Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)	- / 0.000	- / -	- / 0.560	- / 0.702	- / -	- / 0.702	- / 0.484	- / 0.426	- / 0.445	- / 0.376	- / 2.225	- / 5.218
Subtotal: Installation	- / 0.000	- / -	- / 0.560	- / 0.702	- / -	- / 0.702	- / 0.484	- / 0.426	- / 0.445	- / 0.376	- / 2.225	- / 5.218
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	0.760	8.626	-	8.626	25.274	22.724	22.778	25.267	53.021	158.450

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0577 / Common Avionics Changes										Modification Number / Title: 10 / Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)											
Modification Item 1 of 1: Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Government ⁽²³⁾														Manufacturer Location: >Patuxent River, MD																	
Administrative Leadtime <i>(in Months)</i> : 2														Production Leadtime <i>(in Months)</i> : 0																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates						Nov 2013				Nov 2014				Nov 2015				Nov 2016				Nov 2017				Nov 2018					
Delivery Dates						Nov 2013				Nov 2014				Nov 2015				Nov 2016				Nov 2017				Nov 2018					
Installation Information																															
Method of Implementation: Contractor or USN Field Mod Team : Installation Name: MFOQA Installation Equipment																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>									
Prior Years		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		29 / 0.560		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		29 / 0.560					
FY 2015		- / -		- / -		- / -		38 / 0.702		- / -		38 / 0.702		- / -		- / -		- / -		- / -		- / -		- / -		38 / 0.702					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		21 / 0.484		- / -		- / -		- / -		- / -		- / -		21 / 0.484					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		26 / 0.426		- / -		- / -		- / -		- / -		26 / 0.426					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		19 / 0.445		- / -		- / -		- / -		19 / 0.445					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		13 / 0.376		- / -		- / -		13 / 0.376					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		96 / 2.225		96 / 2.225		96 / 2.225					
Total		- / -		- / -		29 / 0.560		38 / 0.702		- / -		38 / 0.702		21 / 0.484		26 / 0.426		19 / 0.445		13 / 0.376		96 / 2.225		96 / 2.225		242 / 5.218					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	7	7	8	9	9	10	10	5	5	5	6	6	6	7	7	4	5	5	5	3	3	3	4	96	242
Out	-	-	-	-	-	7	7	7	8	9	9	10	10	5	5	5	6	6	6	7	7	4	5	5	5	3	3	3	4	96	242
Footnotes:																															
(20) ** B-Kits and install cost vary across platforms. **Technical Correction to MFOQA realigned funding from RDT&E to APN5 in FY 15 and FY16 due to early completion of Phase 2 and program is able to start Phase 3 in APN in FY15. ** FY14, Phase 1 production installs begin. ** FY16, Phase 2 production installs begin.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 10 / Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)
⁽²¹⁾ **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. **FY19, Phase 6 includes three additional platforms. ⁽²²⁾ **FY16, Program transitions from RDT&E to APN-5 following completion of development efforts in Phase 1 & 2. Phase 3, 4, 5 and 6 funded with APN-5 under Firm Fixed Price (FFP) contract, requires full funding of tailoring effort at contract award (FY15/16: Phase 3, FY17: Phase 4, FY18: Phase 5, FY19: Phase 6). ⁽²³⁾ Contract/Delivery dates are the same because Military Flight Operations Quality Assurance Software is software and 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 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 11 / Inactive OSIPs

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	605.697	-	-	-	-	-	-	-	-	-	-	605.697
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	605.697	-	-	-	-	-	-	-	-	-	-	605.697
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	605.697	-	-	-	-	-	-	-	-	-	-	605.697
<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>	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 11 / Inactive OSIPs					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 605.697	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 605.697	
Subtotal: Support	- / 605.697	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 605.697	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	605.697	-	-	-	-	-	-	-	-	-	-	605.697	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0577 / Common Avionics Changes			Modification Number / Title: 11 / Inactive OSIPs	
Modification Item 1 of 1: N/A							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy	Date: March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	68.265	-	3.554	1.958	-	1.958	3.724	4.118	2.160	2.204	10.615	96.598
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	68.265	-	3.554	1.958	-	1.958	3.724	4.118	2.160	2.204	10.615	96.598
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	68.265	-	3.554	1.958	-	1.958	3.724	4.118	2.160	2.204	10.615	96.598
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 will commence production in FY 2014, Ramp Mount Weapon Systems (RMWS) will be procured. For the UH-1Y Platform, which is out of production, 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.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / COMMON DEFENSE WEAPON SYSTEM (OSIP 003-06)	P-3a		-	-	58.629	-	-	-	-	-	3.554	-	-	1.958	-	-	-	-	-	1.958
P-3a - 2 / INACTIVE OSIP/ DAWDF Realignment	P-3a		-	-	9.636	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	68.265	-	-	-	-	-	3.554	-	-	1.958	-	-	-	-	-	1.958

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / COMMON DEFENSE WEAPON SYSTEM (OSIP 003-06)	P-3a		-	-	3.724	-	-	4.118	-	-	2.160	-	-	2.204	-	-	10.615	-	-	86.962	
P-3a - 2 / INACTIVE OSIP/ DAWDF Realignment	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.636	
Total Gross/Weapon System Cost			-	-	3.724	-	-	4.118	-	-	2.160	-	-	2.204	-	-	10.615	-	-	96.598	
*For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: FY 2014 funding will procure 46 modified Ramp Mounted Weapon System (RMWS) for the MV-22 aircraft resulting in a \$3.6M increase in funding from FY 2013. FY 2015 funding will procure 26 modified RMWS for the MV-22 aircraft.																					

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	58.629	-	3.554	1.958	-	1.958	3.724	4.118	2.160	2.204	10.615	86.962
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	58.629	-	3.554	1.958	-	1.958	3.724	4.118	2.160	2.204	10.615	86.962
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	58.629	-	3.554	1.958	-	1.958	3.724	4.118	2.160	2.204	10.615	86.962
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 will commence production in FY 2014, Ramp Mount Weapon Systems (RMWS) will be procured. For the UH-1Y Platform, which is out of production, 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 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	26 / 1.733	50 / 3.345	57 / 3.715	27 / 1.909	27 / 1.942	124 / 8.854	360 / 27.509	
1.1.4) UH-1Y - Organic	221 / 17.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 1.700	246 / 18.700	
Subtotal: Recurring	- / 46.200	- / -	- / 3.011	- / 1.733	- / -	- / 1.733	- / 3.345	- / 3.715	- / 1.909	- / 1.942	- / 10.554	- / 72.409	
B Kits													
Recurring													
2.1.1) CH-53D/E - Organic	399 / 6.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	399 / 6.000	
Subtotal: Recurring	- / 6.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.000	
Subtotal: COMMON DEFENSE WEAPON SYSTEM (OSIP 003-06)	1,154 / 52.200	- / -	46 / 3.011	26 / 1.733	- / -	26 / 1.733	50 / 3.345	57 / 3.715	27 / 1.909	27 / 1.942	149 / 10.554	1,536 / 78.409	
Subtotal: Procurement, All Modification Items	- / 52.200	- / -	- / 3.011	- / 1.733	- / -	- / 1.733	- / 3.345	- / 3.715	- / 1.909	- / 1.942	- / 10.554	- / 78.409	
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	- / -	- / 0.543	- / 0.225	- / -	- / 0.225	- / 0.379	- / 0.403	- / 0.251	- / 0.262	- / 0.061	- / 4.453	
3.5) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.7) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 6.429	- / -	- / 0.543	- / 0.225	- / -	- / 0.225	- / 0.379	- / 0.403	- / 0.251	- / 0.262	- / 0.061	- / 8.553	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	58.629	-	3.554	1.958	-	1.958	3.724	4.118	2.160	2.204	10.615	86.962	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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: 246		
Method of Implementation (Organic): Organic - CH-53D/E					Installation Quantity: 399		
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 in FY 2015 though FY 2018 support cost in the budget.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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

(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>	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy	Date: March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	117.055	35.386	38.303	38.880	-	38.880	58.731	46.271	46.395	47.342	63.503	491.866
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	117.055	35.386	38.303	38.880	-	38.880	58.731	46.271	46.395	47.342	63.503	491.866
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	117.055	35.386	38.303	38.880	-	38.880	58.731	46.271	46.395	47.342	63.503	491.866
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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 (CID) Family of Systems (FOS) 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 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.

Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Mark XIIA Mode 5 IFF (OSIP 15-03)	P-3a		-	-	117.055	-	-	35.386	-	-	38.303	-	-	38.880	-	-	-	-	-	38.880
Total Gross/Weapon System Cost			-	-	117.055	-	-	35.386	-	-	38.303	-	-	38.880	-	-	-	-	-	38.880

Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / Mark XIIA Mode 5 IFF (OSIP 15-03)	P-3a		-	-	58.731	-	-	46.271	-	-	46.395	-	-	47.342	-	-	63.503	-	-	491.866

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
Total Gross/Weapon System Cost			-	-	58.731	-	-	46.271	-	-	46.395	-	-	47.342	-	-	63.503	-	-	491.866	
*For the P-3a, Title represents the Modification Number / Title. Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: 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. NSA declared IFF 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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	117.055	35.386	38.303	38.880	-	38.880	58.731	46.271	46.395	47.342	63.503	491.866
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	117.055	35.386	38.303	38.880	-	38.880	58.731	46.271	46.395	47.342	63.503	491.866
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	117.055	35.386	38.303	38.880	-	38.880	58.731	46.271	46.395	47.342	63.503	491.866
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 (CID) Family of Systems (FOS) 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. 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 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 (LRIP) was approved in July 2006. Full Rate Production (FRP) was approved July 2012. FRP procurements and Mode 5 Engineering Change Proposals (ECPs) on Navy/Marine Corp aircraft continue as the program continues towards JIOC in FY14 and JFOC in 2020.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽¹⁾	75 / 0.332	149 / 1.518	67 / 0.266	98 / 1.065	- / -	98 / 1.065	57 / 0.719	62 / 0.423	93 / 0.519	78 / 0.414	- / -	679 / 5.256
Subtotal: Recurring	- / 0.332	- / 1.518	- / 0.266	- / 1.065	- / -	- / 1.065	- / 0.719	- / 0.423	- / 0.519	- / 0.414	- / -	- / 5.256
B Kits												
Recurring												
2.1.1) Mode 5 IFF - NonOrganic ⁽²⁾	592 / 25.801	208 / 12.504	226 / 14.399	101 / 6.820	- / -	101 / 6.820	187 / 18.484	145 / 16.224	221 / 25.236	254 / 30.501	173 / 43.948	2,107 / 193.917
Subtotal: Recurring	- / 25.801	- / 12.504	- / 14.399	- / 6.820	- / -	- / 6.820	- / 18.484	- / 16.224	- / 25.236	- / 30.501	- / 43.948	- / 193.917
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic ⁽³⁾	- / 43.873	- / 9.915	- / 6.527	- / 13.627	- / -	- / 13.627	- / 23.164	- / 12.230	- / 5.943	- / 2.091	- / -	- / 117.370
Subtotal: Non-Recurring	- / 43.873	- / 9.915	- / 6.527	- / 13.627	- / -	- / 13.627	- / 23.164	- / 12.230	- / 5.943	- / 2.091	- / -	- / 117.370
Subtotal: Mark XIIA Mode 5 IFF (OSIP 15-03)	667 / 70.006	357 / 23.937	293 / 21.192	199 / 21.512	- / -	199 / 21.512	244 / 42.367	207 / 28.877	314 / 31.698	332 / 33.006	173 / 43.948	2,786 / 316.543
Subtotal: Procurement, All Modification Items	- / 70.006	- / 23.937	- / 21.192	- / 21.512	- / -	- / 21.512	- / 42.367	- / 28.877	- / 31.698	- / 33.006	- / 43.948	- / 316.543
Support (All Modification Items)												
3.1) Mode 5 IFF Kit ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data ⁽⁴⁾	- / 1.013	- / 0.004	- / 0.376	- / 0.430	- / -	- / 0.430	- / 0.370	- / 0.562	- / 0.544	- / 0.590	- / 0.820	- / 4.709
3.3) Training Equipment ⁽⁵⁾	- / 2.007	- / 0.541	- / 0.827	- / 0.955	- / -	- / 0.955	- / 0.774	- / 3.080	- / 2.021	- / 1.969	- / 1.201	- / 13.375
3.4) Support Equipment	- / 15.693	- / 1.396	- / 0.538	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.627
3.5) ILS	- / 3.833	- / 1.145	- / 1.978	- / 2.198	- / -	- / 2.198	- / 2.176	- / 2.243	- / 2.056	- / 2.022	- / 3.145	- / 20.796
3.6) Other Support ⁽⁶⁾	- / 23.903	- / 8.046	- / 11.700	- / 11.840	- / -	- / 11.840	- / 11.971	- / 10.185	- / 8.963	- / 7.917	- / 10.513	- / 105.038
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 46.449	- / 11.132	- / 15.419	- / 15.423	- / -	- / 15.423	- / 15.291	- / 16.070	- / 13.584	- / 12.498	- / 15.679	- / 161.545
Installation												
Modification Item 1 of 1: Mark XIIA Mode 5 IFF (OSIP 15-03)	- / 0.600	- / 0.317	- / 1.692	- / 1.945	- / -	- / 1.945	- / 1.073	- / 1.324	- / 1.113	- / 1.838	- / 3.876	- / 13.778
Subtotal: Installation	- / 0.600	- / 0.317	- / 1.692	- / 1.945	- / -	- / 1.945	- / 1.073	- / 1.324	- / 1.113	- / 1.838	- / 3.876	- / 13.778
Total												

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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)	117.055	35.386	38.303	38.880	-	38.880	58.731	46.271	46.395	47.342	63.503	491.866	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: BAE	Manufacturer Location: >Greenlawn, NY
Administrative Leadtime (<i>in Months</i>): 3	Production Leadtime (<i>in Months</i>): 12

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018
Delivery Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	434 / 0.600	233 / 0.317	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	667 / 0.917
FY 2013	- / -	- / -	357 / 1.692	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	357 / 1.692
FY 2014	- / -	- / -	- / -	293 / 1.945	- / -	293 / 1.945	- / -	- / -	- / -	- / -	- / -	293 / 1.945
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	199 / 1.073	- / -	- / -	- / -	- / -	199 / 1.073
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	244 / 1.324	- / -	- / -	- / -	244 / 1.324
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	207 / 1.113	- / -	- / -	207 / 1.113
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	314 / 1.838	- / -	314 / 1.838
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	332 / 2.317	332 / 2.317
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	173 / 1.559	173 / 1.559
Total	434 / 0.600	233 / 0.317	357 / 1.692	293 / 1.945	- / -	293 / 1.945	199 / 1.073	244 / 1.324	207 / 1.113	314 / 1.838	505 / 3.876	2,786 / 13.778

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	434	60	60	55	58	89	89	89	90	76	76	76	65	48	48	48	55	61	61	61	61	52	52	52	51	80	80	80	74	505	2,786
Out	434	60	60	55	58	89	89	89	90	76	76	76	65	48	48	48	55	61	61	61	61	52	52	52	51	80	80	80	74	505	2,786

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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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. AN/APX-123 boxes/kits have been procured and will continue throughout the program. AN/APX-111 box/kit procurements start in FY13. Procurement of the F/A-18 AN/APX-111 Receiver-Transmitter (R/T) Shop Replaceable Assembly (SRA), due to Mode 5 transponder performance issues, is now included in the Mode 5 kit procurement. AN/APX-119 box/kit procurements start in FY15. B-kit total quantity has decreased 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 BLIs integrate and install end items that are required to meet the full platform installation requirements. (3) B-Kit Non-Recurring increases in FY15 and FY16 to support aircraft ECPs on additional platforms. Specifically, funding has been included to address Mode 5 transponder performance issues with the F/A-18 AN/APX-111 Receiver-Transponder (R/T) Shop Replacement Assembly (SRA). B-kit NRE is for this effort is required for full Mode 5 transponder functionality and intra-service interoperability. In addition, KC-130T, AV-8B, and commercial derivative aircraft commence in those years. Some platform ECPs are more complex than others so the B-Kit Non-Recurring is based on the specific platform implementation. (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, FY17 includes 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 2015 Navy	Date: March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	4.895	9.485	29.797	-	29.797	30.042	20.372	21.532	208.514	2,389.538	2,714.175
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	4.895	9.485	29.797	-	29.797	30.042	20.372	21.532	208.514	2,389.538	2,714.175
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	4.895	9.485	29.797	-	29.797	30.042	20.372	21.532	208.514	2,389.538	2,714.175
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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, modernization to the P-8 aircraft and the retrofit of future P-8A mission system/avionics as developed under P-8A sequential increment programs. 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 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.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / P-8A Correction of Deficiencies and Modernization (OSIP 026-12)	P-3a		-	-	0.000	-	-	4.895	-	-	9.485	-	-	28.197	-	-	-	-	-	28.197
P-3a - 2 / CNO Project K-0416 (OSIP 002-15)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	1.600	-	-	-	-	-	1.600
P-3a - 3 / P-8A Mission Systems RCI (OSIP 006-18)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
Total Gross/Weapon System Cost			-	-	0.000	-	-	4.895	-	-	9.485	-	-	29.797	-	-	-	-	-	29.797	
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / P-8A Correction of Deficiencies and Modernization (OSIP 026-12)	P-3a		-	-	28.442	-	-	18.372	-	-	13.696	-	-	14.238	-	-	8.601	-	-	125.926	
P-3a - 2 / CNO Project K-0416 (OSIP 002-15)	P-3a		-	-	1.600	-	-	2.000	-	-	2.000	-	-	2.000	-	-	-	-	-	9.200	
P-3a - 3 / P-8A Mission Systems RCI (OSIP 006-18)	P-3a		-	-	-	-	-	-	-	-	5.836	-	-	192.276	-	-	2,380.937	-	-	2,579.049	
Total Gross/Weapon System Cost			-	-	30.042	-	-	20.372	-	-	21.532	-	-	208.514	-	-	2,389.538	-	-	2,714.175	
*For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					

Justification:
 FY15 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. Increment 2 ECP 2 Kits have been broken out into A and B Kits due to refinement of program requirement.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	4.895	9.485	28.197	-	28.197	28.442	18.372	13.696	14.238	8.601	125.926
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	4.895	9.485	28.197	-	28.197	28.442	18.372	13.696	14.238	8.601	125.926
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	4.895	9.485	28.197	-	28.197	28.442	18.372	13.696	14.238	8.601	125.926
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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. This line item funds correction of deficiencies, modernization to the P-8 aircraft and the retrofit of future P-8A mission system/avionics as developed under P-8A sequential increment programs. 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. Increment 2 ECP 2 Kits have been broken out into A and B Kits due to refinement of program requirement. 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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	21 / 3.150	16 / 2.441	- / -	- / -	- / -	- / -	37 / 5.591
1.1.2) RCI ECP 3 Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.030	9 / 0.045	18 / 0.092	28 / 0.145	61 / 0.312
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 3.150	- / -	- / 3.150	- / 2.441	- / 0.030	- / 0.045	- / 0.092	- / 0.145	- / 5.903
B Kits												
Recurring												
2.1.1) Correction of Deficiency - Organic	- / -	- / -	- / 2.442	- / 6.619	- / -	- / 6.619	- / 8.815	- / 7.897	- / 9.511	- / 9.503	- / -	- / 44.787
2.1.2) Acoustics Processor Tech Refresh/Insertion - Organic	- / -	1 / 0.896	5 / 2.686	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 3.582
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	- / -	21 / 9.450	16 / 7.322	- / -	- / -	- / -	- / -	37 / 16.772
2.1.5) RCI ECP 3 Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.090	9 / 0.135	18 / 0.275	28 / 0.434	61 / 0.934
Subtotal: Recurring	- / 0.000	- / 0.896	- / 7.338	- / 16.069	- / -	- / 16.069	- / 16.137	- / 7.987	- / 9.646	- / 9.778	- / 0.434	- / 68.285
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic	- / -	- / -	- / 0.810	- / 1.403	- / -	- / 1.403	- / -	- / 1.810	- / -	- / -	- / -	- / 4.023
Subtotal: Non-Recurring	- / 0.000	- / -	- / 0.810	- / 1.403	- / -	- / 1.403	- / -	- / 1.810	- / -	- / -	- / -	- / 4.023
Subtotal: P-8A Correction of Deficiencies and Modernization (OSIP 026-12)	- / -	1 / 0.896	18 / 8.148	42 / 20.622	- / -	42 / 20.622	32 / 18.578	12 / 9.827	18 / 9.691	36 / 9.870	56 / 0.579	215 / 78.211
Subtotal: Procurement, All Modification Items	- / 0.000	- / 0.896	- / 8.148	- / 20.622	- / -	- / 20.622	- / 18.578	- / 9.827	- / 9.691	- / 9.870	- / 0.579	- / 78.211
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / -	- / -	- / 0.427	- / 0.714	- / -	- / 0.714	- / 0.725	- / 0.850	- / 0.650	- / 0.500	- / 1.000	- / 4.866
3.3) APTR Training Equipment ⁽¹⁾	- / -	9 / 3.999	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.999
3.4) Increment 2 ECP 2 Trainers	- / -	- / -	- / -	12 / 3.600	- / -	12 / 3.600	3 / 0.900	2 / 0.600	- / -	- / -	- / -	17 / 5.100
3.5) RCI ECP3 Trainers	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.300	15 / 0.750	15 / 0.763	23 / 1.196	59 / 3.009
3.6) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.7) ILS	- / -	- / -	- / 0.102	- / 0.225	- / -	- / 0.225	- / 0.355	- / 0.574	- / 0.558	- / 0.500	- / 0.500	- / 2.814
3.8) Other Support	- / -	- / -	- / 0.808	- / 1.836	- / -	- / 1.836	- / 2.334	- / 2.021	- / 1.567	- / 1.585	- / 1.950	- / 12.101
3.9) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>	- / 0.000	- / 3.999	- / 1.337	- / 6.375	- / -	- / 6.375	- / 4.314	- / 4.345	- / 3.525	- / 3.348	- / 4.646	- / 31.889	
Installation													
<i>Modification Item 1 of 1:</i> P-8A Correction of Deficiencies and Modernization (OSIP 026-12)	- / 0.000	- / -	- / -	- / 1.200	- / -	- / 1.200	- / 5.550	- / 4.200	- / 0.480	- / 1.020	- / 3.376	- / 15.826	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / 1.200	- / -	- / 1.200	- / 5.550	- / 4.200	- / 0.480	- / 1.020	- / 3.376	- / 15.826	
Total													
Total Cost (Procurement + Support + Installation)	0.000	4.895	9.485	28.197	-	28.197	28.442	18.372	13.696	14.238	8.601	125.926	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Boeing - Increment 2 ECP 2 Training Equipment							Manufacturer Location: >Seattle, WA					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 2					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Nov 2014	Nov 2015	Nov 2016							
Delivery Dates			Jan 2015	Jan 2016	Jan 2017							
Manufacturer Name: Boeing - Increment 2 ECP 2							Manufacturer Location: >Seattle, WA					
Administrative Leadtime (<i>in Months</i>): 5							Production Leadtime (<i>in Months</i>): 8					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Feb 2015	Feb 2016								
Delivery Dates			Oct 2015	Oct 2016								
Manufacturer Name: Boeing - RCI ECP 3 Training Equipment							Manufacturer Location: >Seattle, WA					
Administrative Leadtime (<i>in Months</i>): 8							Production Leadtime (<i>in Months</i>): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates					Jun 2017	Jun 2018	Jun 2019					
Delivery Dates					Dec 2017	Dec 2018	Dec 2019					
Manufacturer Name: Boeing - RCI ECP 3							Manufacturer Location: >Seattle, WA					
Administrative Leadtime (<i>in Months</i>): 8							Production Leadtime (<i>in Months</i>): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates					Jun 2017	Jun 2018	Jun 2019					
Delivery Dates					Dec 2017	Dec 2018	Dec 2019					
Installation Information												
Method of Implementation: Contractor Field Mod Team : Installation Name: Increment 2 ECP 2												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	21 / 5.250	- / -	- / -	- / -	- / -	21 / 5.250

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: Increment 2 ECP 2

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 4.000	- / -	- / -	- / -	16 / 4.000
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	21 / 5.250	16 / 4.000	- / -	- / -	- / -	37 / 9.250

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
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
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.868	28 / 0.868
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.180	9 / 0.270	46 / 1.417	61 / 1.867

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: RCI 3 ECP 3 Kits

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	46	61
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	2	2	2	2	49	61

Method of Implementation: Contractor Field Mod Team : Installation Name: Increment 2 ECP 2 Trainers

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	12 / 1.200	- / -	12 / 1.200	- / -	- / -	- / -	- / -	- / -	12 / 1.200
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.300	- / -	- / -	- / -	- / -	3 / 0.300
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.200	- / -	- / -	- / -	2 / 0.200
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	12 / 1.200	- / -	12 / 1.200	3 / 0.300	2 / 0.200	- / -	- / -	- / -	17 / 1.700

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	17
Out	-	-	-	-	-	-	-	-	-	-	4	4	4	-	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	17

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field MOD TEAM : Installation Name: RCI ECP3 Trainers

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
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
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 1.196	23 / 1.196
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.300	15 / 0.750	38 / 1.959	59 / 3.009

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	38	59	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	3	3	4	5	38	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
Method of Implementation (Organic): Organic - APTR Training Equipment	Installation Quantity: 9

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Footnotes:
(1) Acoustic Processor Tech Refresh Trainer installs are integral to acceptance, inspection and checkout and are therefore included in line 3.3 APTR Training Equipment.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	-	9.200
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	-	9.200
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	-	9.200
(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: CNO Project K-0416 (OSIP 002-15)												
A Kits												
Recurring												
1.1.1) BT Mission Equipment - Organic	- / -	- / -	- / -	4 / 0.200	- / -	4 / 0.200	4 / 0.200	4 / 0.400	4 / 0.400	4 / 0.400	- / -	20 / 1.600
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.400	- / 0.400	- / 0.400	- / -	- / 1.600
B Kits												
Recurring												
2.1.1) Active Target Strength C2 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.200	1 / 0.200	1 / 0.200	1 / 0.200	- / -	4 / 0.800
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / -	- / 0.800
Subtotal: CNO Project K-0416 (OSIP 002-15)	- / -	- / -	- / -	4 / 0.200	- / -	4 / 0.200	5 / 0.400	5 / 0.600	5 / 0.600	5 / 0.600	- / -	24 / 2.400
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 0.400	- / 0.600	- / 0.600	- / 0.600	- / -	- / 2.400
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	- / -	- / 1.000
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Organic Support	- / -	- / -	- / -	- / 0.600	- / -	- / 0.600	- / 0.400	- / 0.600	- / 0.600	- / 0.600	- / -	- / 2.800
3.7) Interim Contractor Support	- / -	- / -	- / -	- / 0.600	- / -	- / 0.600	- / 0.600	- / 0.600	- / 0.600	- / 0.600	- / -	- / 3.000
Subtotal: Support	- / 0.000	- / -	- / -	- / 1.400	- / -	- / 1.400	- / 1.200	- / 1.400	- / 1.400	- / 1.400	- / -	- / 6.800
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	1.600	-	1.600	1.600	2.000	2.000	2.000	-	9.200

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - BT Mission Equipment					Installation Quantity: 20		
Method of Implementation (Organic): Organic - Active Target Strength C2					Installation Quantity: 4		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	5.836	192.276	2,380.937	2,579.049
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	5.836	192.276	2,380.937	2,579.049
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	5.836	192.276	2,380.937	2,579.049
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 item (previously part of OSIP 26-12) 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). 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 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 ⁽²⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 22.500	100 / 264.025	109 / 286.525	
1.1.2) Increment 3 TACMobile A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.500	100 / 17.602	109 / 19.102	
1.1.3) Increment 3 Comms A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.750	100 / 8.801	109 / 9.551	
1.1.4) Increment 3 Radar Upgrade A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.000	100 / 35.204	109 / 38.204	
1.1.5) Increment 3 ASW Signint A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.000	100 / 35.204	109 / 38.204	
1.1.6) Increment 3 6th Workstation A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.500	100 / 17.602	109 / 19.102	
1.1.7) Increment 3 Wideband SATCOM A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.500	100 / 17.602	109 / 19.102	
1.1.8) Mission Systems RCI Upgrade A Kits - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.875	104 / 18.200	109 / 19.075	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 34.625	- / 414.240	- / 448.865	
B Kits													
Recurring													
2.1.1) Increment 3 Architecture Upgrade B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 67.500	100 / 792.075	109 / 859.575	
2.1.2) Increment 3 TACMobile B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 4.500	100 / 52.805	109 / 57.305	
2.1.3) Increment 3 Comms B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.250	100 / 26.403	109 / 28.653	
2.1.4) Increment 3 Radar Upgrade B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 9.000	100 / 105.611	109 / 114.611	
2.1.5) Increment 3 ASW Sigint B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 9.000	100 / 105.611	109 / 114.611	
2.1.6) Increment 3 6th Workstation B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 4.500	100 / 52.805	109 / 57.305	
2.1.7) Increment 3 Wideband SATCOM B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 4.500	100 / 52.805	109 / 57.305	
2.1.8) Mission Systems RCI Upgrade B Kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.625	104 / 54.600	109 / 57.225	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 103.875	- / 1,242.715	- / 1,346.590	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.154	- / 31.805	- / -	- / 36.959	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.154	- / 31.805	- / -	- / 36.959	
Subtotal: P-8A Mission Systems RCI (OSIP 006-18)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.154	136 / 170.305	1,608 / 1,656.955	1,744 / 1,832.414	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 170.305	- / 1,656.955	- / 1,832.414
Support (All Modification Items)												
3.1) Increment 3 Engineering Change Orders	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.000	- / 13.000	- / 18.000
3.2) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / 6.000	- / 6.200
3.3) Increment 3 Trainers	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 6.096	53 / 55.955	59 / 62.051
3.4) Mission Systems Training Kits (RCI)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.400	57 / 39.900	59 / 41.300
3.5) ILS (3)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.020	- / 0.300	- / 15.500	- / 15.820
3.6) Other Support (4)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.662	- / 8.975	- / 119.264	- / 128.901
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.682	- / 21.971	- / 249.619	- / 272.272
Installation												
Modification Item 1 of 1: P-8A Mission Systems RCI (OSIP 006-18)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 474.363	- / 474.363
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 474.363	- / 474.363
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	-	5.836	192.276	2,380.937	2,579.049

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Boeing - Increment 3						Manufacturer Location: >Seattle, WA						
Administrative Leadtime (<i>in Months</i>): 9						Production Leadtime (<i>in Months</i>): 6						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												Jun 2019
Delivery Dates												Dec 2019
Manufacturer Name: Boeing - Mission Systems RCI Upgrade A Kits						Manufacturer Location: >Seattle, WA						
Administrative Leadtime (<i>in Months</i>): 5						Production Leadtime (<i>in Months</i>): 9						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												Feb 2019
Delivery Dates												Nov 2019
Manufacturer Name: Boeing - Increment 3 Trainers						Manufacturer Location: >Seattle, WA						
Administrative Leadtime (<i>in Months</i>): 9						Production Leadtime (<i>in Months</i>): 6						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												Jun 2019
Delivery Dates												Dec 2019
Manufacturer Name: Boeing - Mission Systems Training Kits (RCI)						Manufacturer Location: >Seattle, WA						
Administrative Leadtime (<i>in Months</i>): 5						Production Leadtime (<i>in Months</i>): 9						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												Feb 2019
Delivery Dates												Nov 2019
Installation Information												
Method of Implementation: Contractor Field Mod Team : Installation Name: Increment 3												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: Increment 3

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	63 / 33.438	63 / 33.438
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	700 / 377.851	700 / 377.851
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	763 / 411.289	763 / 411.289

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	763	763
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	763	763

Method of Implementation: Contractor Field Mod Team : Installation Name: Mission Systems RCI Upgrade A Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.500	5 / 1.500
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	104 / 31.200	104 / 31.200
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	109 / 32.700	109 / 32.700

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: Mission Systems RCI Upgrade A Kits

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	109	109
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	109	109

Method of Implementation: Contractor Field Mod Team : Installation Name: Increment 3 Trainers

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.200	6 / 1.200
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	53 / 11.474	53 / 11.474
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	59 / 12.674	59 / 12.674

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: Mission Systems Training Kits (RCI)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.600	2 / 0.600
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	57 / 17.100	57 / 17.100
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	59 / 17.700	59 / 17.700

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	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

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - Increment 3 6th Workstation B Kit		Installation Quantity: 109
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: ⁽²⁾ Installs include both A and B kits. ⁽³⁾ Logistics funding profile reflects the stand up of the P-8A retrofit support team. ⁽⁴⁾ Other Support funding profile reflects the stand up of the P-8A retrofit support team.		

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy **Date:** March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	3.089	34.407	34.131	14.770	-	14.770	7.766	5.875	5.920	6.052	-	112.010
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	3.089	34.407	34.131	14.770	-	14.770	7.766	5.875	5.920	6.052	-	112.010
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	3.089	34.407	34.131	14.770	-	14.770	7.766	5.875	5.920	6.052	-	112.010

(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>	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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).

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / SOFTWARE REPROGRAMMABLE PAYLOAD (OSIP 034-12)	P-3a		-	-	0.489	-	-	-	-	-	-	-	-	2.100	-	-	-	-	-	2.100
P-3a - 2 / INTREPID TIGER II SERIES (ALQ-231) (OSIP 010-13)	P-3a		-	-	0.000	-	-	34.407	-	-	34.131	-	-	12.670	-	-	-	-	-	12.670
P-3a - 3 / INACTIVE OSIPS	P-3a		-	-	2.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy															Date: March 2014					
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 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Total Gross/Weapon System Cost			-	-	3.089	-	-	34.407	-	-	34.131	-	-	14.770	-	-	-	-	-	14.770
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / SOFTWARE REPROGRAMMABLE PAYLOAD (OSIP 034-12)	P-3a		-	-	7.766	-	-	5.875	-	-	5.920	-	-	6.052	-	-	-	-	-	28.202
P-3a - 2 / INTREPID TIGER II SERIES (ALQ-231) (OSIP 010-13)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81.208
P-3a - 3 / INACTIVE OSIPS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.600
Total Gross/Weapon System Cost			-	-	7.766	-	-	5.875	-	-	5.920	-	-	6.052	-	-	-	-	-	112.010
*For the P-3a, Title represents the Modification Number / Title.																				
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 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.489	-	-	2.100	-	2.100	7.766	5.875	5.920	6.052	-	28.202
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.489	-	-	2.100	-	2.100	7.766	5.875	5.920	6.052	-	28.202
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.489	-	-	2.100	-	2.100	7.766	5.875	5.920	6.052	-	28.202
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Procures Software Reprogrammable Payload (SRP) Spiral 1 and Spiral 2 capability multi-function kits for Marine Corps fixed-wing, rotor-wing, and Unmanned Aerial Vehicle aircraft as directed by Weapons Requirement Branch and Headquarters Marine Corps. Costs include hardware, software production, associated communications gear, and the installation 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 MAGTF Electronic Warfare system of systems concept for future United States Marine Corps Electronic Surveillance, Electronic Attack, and Electronic Protect performance.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: SRP is a single common spectrum control device that is currently under development by the Naval Research Laboratory. SRP is being developed in support of the Marine Ground Task Force (MAGTF) Electronic Warfare (EW) 2020 vision of a 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 and Unmanned Air System aircraft and will provide a flexible and real-time reconfigurable payload that is designed to support multiple simultaneous missions.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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: SOFTWARE REPROGRAMMABLE PAYLOAD (OSIP 034-12)												
A Kits												
Recurring												
1.1.1) SRP Kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.950	8 / 0.774	8 / 0.788	8 / 0.803	- / -	34 / 3.315
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.950	- / 0.774	- / 0.788	- / 0.803	- / -	- / 3.315
B Kits												
Recurring												
2.1.1) Installation Equipment - Organic	- / 0.489	- / -	- / -	- / -	- / -	- / -	10 / 4.800	8 / 3.909	8 / 3.979	8 / 4.055	- / -	34 / 17.232
Subtotal: Recurring	- / 0.489	- / -	- / -	- / -	- / -	- / -	- / 4.800	- / 3.909	- / 3.979	- / 4.055	- / -	- / 17.232
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic ⁽¹⁾	- / -	- / -	- / -	- / 1.260	- / -	- / 1.260	- / 1.508	- / 1.119	- / 1.096	- / 1.130	- / -	- / 6.113
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / 1.260	- / -	- / 1.260	- / 1.508	- / 1.119	- / 1.096	- / 1.130	- / -	- / 6.113
Subtotal: SOFTWARE REPROGRAMMABLE PAYLOAD (OSIP 034-12)	- / 0.489	- / -	- / -	- / 1.260	- / -	- / 1.260	20 / 7.258	16 / 5.802	16 / 5.863	16 / 5.988	- / -	68 / 26.660
Subtotal: Procurement, All Modification Items	- / 0.489	- / -	- / -	- / 1.260	- / -	- / 1.260	- / 7.258	- / 5.802	- / 5.863	- / 5.988	- / -	- / 26.660
Support (All Modification Items)												
3.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.293	- / 0.019	- / 0.015	- / 0.021	- / -	- / 0.348
3.4) Support Equipment	- / -	- / -	- / -	- / 0.210	- / -	- / 0.210	- / 0.140	- / 0.041	- / 0.042	- / 0.043	- / -	- / 0.476
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Other Support	- / -	- / -	- / -	- / 0.630	- / -	- / 0.630	- / 0.075	- / 0.013	- / -	- / -	- / -	- / 0.718
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / -	- / -	- / 0.840	- / -	- / 0.840	- / 0.508	- / 0.073	- / 0.057	- / 0.064	- / -	- / 1.542
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	0.489	-	-	2.100	-	2.100	7.766	5.875	5.920	6.052	-	28.202

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - SRP Kits					Installation Quantity: 34		
Method of Implementation (Organic): Organic - Installation Equipment					Installation Quantity: 34		
Footnotes: ⁽¹⁾ Cost growth in excess of OSD approved inflation indices between FY15 and FY16 is due to installation efforts on V-22 platform.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	34.407	34.131	12.670	-	12.670	-	-	-	-	-	81.208
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	34.407	34.131	12.670	-	12.670	-	-	-	-	-	81.208
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	34.407	34.131	12.670	-	12.670	-	-	-	-	-	81.208
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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. 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)1 Intrepid Tiger II (IT II) EW pod was developed in response to multiple Joint Urgent Operational Needs Statements. The Block 0 pod performs communications jamming and is 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. As of July 2013, the IT II Block 0 has been deployed with four separate expeditionary AV-8B VMA squadrons and with two separate MEUs. On 29 February 2012, IT II Block 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. Block 1 EOC deployments on both United States Marine Corps AV-8B and F/A-18A++ and F/A-18C/D squadrons is expected to occur in the 2013 - 2014 timeframe. IT II 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.

FY14 includes \$20.700M OCO funding.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) Installation Equipment - Organic ⁽²⁾	- / -	26 / 18.032	37 / 21.805	13 / 7.792	- / -	13 / 7.792	- / -	- / -	- / -	- / -	- / -	76 / 47.629	
2.1.2) ALQ-231(V)1 Block 0 to Block 1 Conversion - Organic	- / -	8 / 2.375	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.375	
Subtotal: Recurring	- / 0.000	- / 20.407	- / 21.805	- / 7.792	- / -	- / 7.792	- / -	- / -	- / -	- / -	- / -	- / 50.004	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / -	- / 5.750	- / 5.194	- / 1.303	- / -	- / 1.303	- / -	- / -	- / -	- / -	- / -	- / 12.247	
Subtotal: Non-Recurring	- / 0.000	- / 5.750	- / 5.194	- / 1.303	- / -	- / 1.303	- / -	- / -	- / -	- / -	- / -	- / 12.247	
Subtotal: INTREPID TIGER II SERIES (ALQ-231) (OSIP 010-13)	- / -	34 / 26.157	37 / 26.999	13 / 9.095	- / -	13 / 9.095	- / -	- / -	- / -	- / -	- / -	84 / 62.251	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 26.157	- / 26.999	- / 9.095	- / -	- / 9.095	- / -	- / -	- / -	- / -	- / -	- / 62.251	
Support (All Modification Items)													
3.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment ⁽³⁾	- / -	- / 2.250	- / 3.500	- / 1.526	- / -	- / 1.526	- / -	- / -	- / -	- / -	- / -	- / 7.276	
3.5) ILS	- / -	- / 4.500	- / 2.132	- / 1.149	- / -	- / 1.149	- / -	- / -	- / -	- / -	- / -	- / 7.781	
3.6) Other Support	- / -	- / 1.500	- / 1.500	- / 0.900	- / -	- / 0.900	- / -	- / -	- / -	- / -	- / -	- / 3.900	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / 8.250	- / 7.132	- / 3.575	- / -	- / 3.575	- / -	- / -	- / -	- / -	- / -	- / 18.957	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	34.407	34.131	12.670	-	12.670	-	-	-	-	-	81.208	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: >TBD			
Administrative Leadtime (<i>in Months</i>): 8				Production Leadtime (<i>in Months</i>): 6			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	May 2013	May 2014	May 2015				
Delivery Dates	Nov 2013	Nov 2014	Nov 2015				
Installation Information							
Method of Implementation (Organic): Organic - Installation Equipment					Installation Quantity: 76		
Method of Implementation (Organic): Not Installed - ALQ-231(V)1 Block 0 to Block 1 Conversion					Installation Quantity: 8		
Footnotes: ⁽²⁾ FY15 unit cost growth in excess of OSD inflation indicies due to differences in between V(1) and V(3) pods. ⁽³⁾ Increase in support equipment from FY13 to FY14 due to OCO requirements.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.600	
Subtotal: Recurring	- / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.600	
Subtotal: INACTIVE OSIPS	- / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.600	
Subtotal: Procurement, All Modification Items	- / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.600	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	2.600	-	-	-	-	-	-	-	-	-	-	2.600	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy										Date: March 2014										
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total							
Procurement Quantity (<i>Units in Each</i>)		-	-	-	-	-	-	-	-	-	-	-	-							
Gross/Weapon System Cost (<i>\$ in Millions</i>)		0.000	-	-	8.741	-	8.741	22.608	20.138	9.778	5.696	113.892	180.853							
Less PY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-	-	-	-	-	-	-							
Net Procurement (P1) (<i>\$ in Millions</i>)		0.000	-	-	8.741	-	8.741	22.608	20.138	9.778	5.696	113.892	180.853							
Plus CY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-	-	-	-	-	-	-							
Total Obligation Authority (<i>\$ in Millions</i>)		0.000	-	-	8.741	-	8.741	22.608	20.138	9.778	5.696	113.892	180.853							
<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>)		-	-	-	-	-	-	-	-	-	-	-	-							
[#] The FY 2015 OCO Request will be submitted at a later date.																				
Description: The MQ-8 Vertical Take-Off and Landing Tactical Unmanned Aerial Vehicle (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/Ground Control System (GCS), and retrofit of systems/avionics. Currently, the program has delivered 21 MQ-8B aircraft. A total of 23 MQ-8B aircraft, 15 MQ-8C aircraft, and 25 ground control stations will deliver by 2015. This is a FY2015 new start that 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), GCS (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.																				
Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	8.741	-	-	-	-	-	8.741
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	-	-	-	8.741	-	-	-	-	-	8.741

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)	P-3a		-	-	22.608	-	-	20.138	-	-	9.778	-	-	5.696	-	-	113.892	-	-	180.853	
Total Gross/Weapon System Cost			-	-	22.608	-	-	20.138	-	-	9.778	-	-	5.696	-	-	113.892	-	-	180.853	
*For the P-3a, Title represents the Modification Number / Title.																					
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, emerging requirements, and concurrency in MQ-8 development and production.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	8.741	-	8.741	22.608	20.138	9.778	5.696	113.892	180.853
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	8.741	-	8.741	22.608	20.138	9.778	5.696	113.892	180.853
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	8.741	-	8.741	22.608	20.138	9.778	5.696	113.892	180.853
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This Operational, Safety and Improvement Program (OSIP) will improve capability to operate in hot temperature environments, improve system performance, reliability and maintainability of sensors, avionics and airframe components, and provide broader sensors for Intelligence, Surveillance, & Reconnaissance (ISR) collection for both Navy and urgent operational requirements. Weather mods will be Depot Level, performed at Fleet Readiness Centers (FRCs). These are structural modifications to access panels (vents added), modification of belly panel (depot removal and modification), installation of vent and access door on tailboom, structural modification of inside of sponson to install larger cooling fan.

This OSIP will also correct deficiencies resulting from obsolescence and diminishing manufacturing sources. These components include, but are not limited to, the Vehicle Management Computer, Payloads Interface Unit, the Ground Control Station's Real Time Processor, ARC-210 Radios, and the Digital Control Processor.

This OSIP will also support Payload mods 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, Ground Control Station, UAV Common Automated Recovery System, Tactical Control Data Link, and payloads. Aircraft will be modified in FY15 to support obsolescence/reliability corrections, radar/weapons/other payloads, ice detection and landing system improvements, and hot weather modifications. A Capability Production Document, Joint Requirements Oversight Council Memorandum 004-99, and a Joint Rapid Acquisition Cell Memorandum AF-0002 apply.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

MQ-8 Initial Operational Capability is 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 deployment providing Rapid Deployment Capabilities is available for tasking as early as FY15.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 A Kits - NonOrganic	- / -	- / -	- / -	1 / 0.200	- / -	1 / 0.200	4 / 0.800	8 / 1.600	3 / 0.600	1 / 0.200	- / -	17 / 3.400
1.1.2) Weapons A Kits (APKWS) - NonOrganic	- / -	- / -	- / -	1 / 0.100	- / -	1 / 0.100	4 / 0.400	8 / 0.800	3 / 0.300	1 / 0.100	- / -	17 / 1.700
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 0.300	- / -	- / 0.300	- / 1.200	- / 2.400	- / 0.900	- / 0.300	- / -	- / 5.100
B Kits												
Recurring												
2.1.1) Installation Equipment - Radar - Organic	- / -	- / -	- / -	1 / 0.800	- / -	1 / 0.800	4 / 3.200	8 / 6.400	3 / 2.400	1 / 0.800	- / -	17 / 13.600
2.1.2) Installation Equipment - Weapons (APKWS) - Organic	- / -	- / -	- / -	1 / 0.360	- / -	1 / 0.360	4 / 1.440	8 / 2.880	3 / 1.080	1 / 0.360	- / -	17 / 6.120
2.1.3) Installation Equipment - Hot Weather Mods - NonOrganic	- / -	- / -	- / -	8 / 0.772	- / -	8 / 0.772	- / -	- / -	- / -	- / -	13 / 1.460	21 / 2.232
2.1.4) Installation Equipment - GCS Refresh - Organic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.980	2 / 3.960	- / -	- / -	- / -	3 / 5.940
2.1.5) Installation Equipment - Obsolescence/Reliability VMC, PIU, DCP - NonOrganic (1)	- / -	- / -	- / -	10 / 0.065	- / -	10 / 0.065	15 / 2.855	5 / 1.045	6 / 1.224	7 / 1.359	124 / 78.100	167 / 84.648
2.1.6) Installation Equipment - Payloads - Organic	- / -	- / -	- / -	5 / 0.015	- / -	5 / 0.015	5 / 0.015	- / -	- / -	- / -	124 / 4.100	134 / 4.130
2.1.7) Installation Equipment - Reliability Improvement ARC-210 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	85 / 6.505	- / -	- / -	- / -	- / -	85 / 6.505
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 2.012	- / -	- / 2.012	- / 15.995	- / 14.285	- / 4.704	- / 2.519	- / 83.660	- / 123.175
Non-Recurring												
2.2.2) Installation Equipment - Obsolescence/Reliability VMC, PIU, DCP - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.670	- / -	- / -	- / -	- / 5.250	- / 6.920
2.2.3) Installation Equipment - Payloads - Organic	- / -	- / -	- / -	- / 0.010	- / -	- / 0.010	- / 0.010	- / -	- / -	- / -	- / 0.336	- / 0.356
2.2.4) Installation Equipment - ARC-210 - Organic	- / -	- / -	- / -	- / 3.614	- / -	- / 3.614	- / -	- / -	- / -	- / -	- / -	- / 3.614
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / 3.624	- / -	- / 3.624	- / 1.680	- / -	- / -	- / -	- / 5.586	- / 10.890
Subtotal: MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)	- / -	- / -	- / -	27 / 5.936	- / -	27 / 5.936	122 / 18.875	39 / 16.685	18 / 5.604	11 / 2.819	261 / 89.246	478 / 139.165
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 5.936	- / -	- / 5.936	- / 18.875	- / 16.685	- / 5.604	- / 2.819	- / 89.246	- / 139.165
Support (All Modification Items)												
3.1) Depot	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) ILS	- / -	- / -	- / -	- / 0.787	- / -	- / 0.787	- / 0.775	- / 0.750	- / 0.750	- / 0.750	- / 8.500	- / 12.312

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LI 0588 - MQ-8 Series
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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014						
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)													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: Northrop Grumman Systems Corp							Manufacturer Location: >San Diego, CA - Hot Weather Mods						
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 6						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates			Nov 2014										
Delivery Dates			May 2015										
Manufacturer Name: Rockwell Collins							Manufacturer Location: >CEDAR RAPIDS, IA - Obsolescence Reliability VMC, PIU, DCP						
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 6						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates			Nov 2014	Nov 2015									
Delivery Dates			May 2015	May 2016									
Manufacturer Name: MFG - TBD							Manufacturer Location: > MFG - Loc TBD - Radar / APKWS						
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 6						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates			Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018						
Delivery Dates			May 2015	May 2016	May 2017	May 2018	May 2019						
Installation Information													
Method of Implementation: Contractor Field Mod Team : Installation Name: Correction of Deficiencies and Modernization													
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	Qty (<i>Each</i>) / Total Cost (\$ <i>M</i>)	
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2015	- / -	- / -	- / -	2 / 0.100	- / -	2 / 0.100	- / -	- / -	- / -	- / -	- / -	2 / 0.100	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.400	- / -	- / -	- / -	- / -	8 / 0.400	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.800	- / -	- / -	- / -	16 / 0.800	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.300	- / -	- / -	6 / 0.300	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.100	- / -	2 / 0.100	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	- / -	- / -	- / -	2 / 0.100	- / -	2 / 0.100	8 / 0.400	16 / 0.800	6 / 0.300	2 / 0.100	- / -	34 / 1.700	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: Correction of Deficiencies and Modernization

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	4	-	-	8	8	-	-	4	2	-	-	2	-	-	34
Out	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	4	4	-	-	8	8	-	-	4	2	-	-	2	-	-	34

Method of Implementation: Contractor Field Mod Team : Installation Name: Installation Equipment - Hot Weather Mods

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	5 / 0.039	- / -	5 / 0.039	- / -	- / -	- / -	- / -	- / -	5 / 0.039
FY 2015	- / -	- / -	- / -	3 / 0.042	- / -	3 / 0.042	5 / 0.037	- / -	- / -	- / -	- / -	8 / 0.079
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.144	8 / 0.144
Total	- / -	- / -	- / -	8 / 0.081	- / -	8 / 0.081	5 / 0.037	- / -	- / -	- / -	8 / 0.144	21 / 0.262

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	21
Out	-	-	-	-	-	-	-	-	-	3	2	2	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	21

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: Installation Equipment - Obsolescence/Reliability VMC

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	5 / 0.012	- / -	5 / 0.012	- / -	- / -	- / -	- / -	- / -	5 / 0.012
FY 2015	- / -	- / -	- / -	5 / 0.013	- / -	5 / 0.013	5 / 0.025	- / -	- / -	- / -	- / -	10 / 0.038
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.025	10 / 0.086	- / -	- / -	- / -	15 / 0.111
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.055	- / -	- / -	- / -	5 / 0.055
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.076	- / -	- / -	6 / 0.076
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.091	- / -	7 / 0.091
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	119 / 6.552	119 / 6.552
Total	- / -	- / -	- / -	10 / 0.025	- / -	10 / 0.025	10 / 0.050	15 / 0.141	6 / 0.076	7 / 0.091	119 / 6.552	167 / 6.935

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	5	-	5	-	5	5	5	-	-	-	6	-	-	-	7	-	119	167
Out	-	-	-	-	-	-	-	-	-	-	5	-	5	5	-	5	-	5	5	5	-	-	-	6	-	-	-	7	-	119	167

Method of Implementation (Organic): Organic - Installation Equipment - Radar	Installation Quantity: 17
Method of Implementation (Organic): Organic - Installation Equipment - Weapons (APKWS)	Installation Quantity: 17
Method of Implementation (Organic): Not Installed - Installation Equipment - GCS Refresh	Installation Quantity: 3
Method of Implementation (Organic): Organic - Installation Equipment - Payloads	Installation Quantity: 134
Method of Implementation (Organic): Organic - Installation Equipment - Reliability Improvement ARC-210	Installation Quantity: 85

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Footnotes:

(1) Installation Equipment Procurement: FY 2015 to FY 2016 Obsolescence/Reliability unit cost increase results from more expensive weapons replaceable assemblies and components (includes non-recurring and recurring efforts for Vehicle Management Computer (VMC) and Payload Interface Unit (PIU) redesign and procurement) being replaced due to obsolescence.

(2) Increase in FY16 results from ECP development support associated with incorporating more expensive weapons replaceable assemblies into the MQ-8 system. The increase in FY18 results from short-term program support needed to coordinate GCS Tech Refresh equipment on LCS.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy										Date: March 2014										
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total								
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Gross/Weapon System Cost (<i>\$ in Millions</i>)	26.017	47.102	22.117	2.542	-	2.542	3.815	3.828	-	-	-	105.421								
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Net Procurement (P1) (<i>\$ in Millions</i>)	26.017	47.102	22.117	2.542	-	2.542	3.815	3.828	-	-	-	105.421								
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Total Obligation Authority (<i>\$ in Millions</i>)	26.017	47.102	22.117	2.542	-	2.542	3.815	3.828	-	-	-	105.421								
<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>)	-	-	-	-	-	-	-	-	-	-	-	-								
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
# The FY 2015 OCO Request will be submitted at a later date. 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 UAV system 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 UAV system consists of four air vehicles each configured with an Electro-Optical/Infra-Red sensor payload, launcher, ground control stations, attrition engine, vehicle mounted shelters, 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 30,000 flight hours since May 2007. Most hours were flown in support of Operation Iraqi Freedom and Operation Enduring Freedom. 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.																				
Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / RQ-7 UAV Retrofits (OSIP 006-11)	P-3a		-	-	26.017	-	-	47.102	-	-	22.117	-	-	2.542	-	-	-	-	-	2.542
Total Gross/Weapon System Cost			-	-	26.017	-	-	47.102	-	-	22.117	-	-	2.542	-	-	-	-	-	2.542

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / RQ-7 UAV Retrofits (OSIP 006-11)	P-3a		-	-	3.815	-	-	3.828	-	-	-	-	-	-	-	-	-	-	-	105.421	
Total Gross/Weapon System Cost			-	-	3.815	-	-	3.828	-	-	-	-	-	-	-	-	-	-	-	105.421	
*For the P-3a, Title represents the Modification Number / Title. Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: FY2013 requested funding supports the continuation of the Congressionally mandated Tactical Common Data Link (TCDL) and continues support for Pre-Planned Product Improvements (P3I), retrofits, 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. FY2013 funding will procure five TCDL upgrade kits to upgrade deploying RQ-7B Shadow systems to maintain interoperability with Army in Operation Enduring Freedom. FY2014 requested funding supports the continuation of the Congressionally mandated TCDL and supports 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 funding will be utilized to procure two TCDL upgrade kits, and incorporation of twenty-six Small Mission Computers, at a minimum, to maintain United States Marine Corps RQ-7B Shadow Unmanned Air Systems interoperability with United States Army systems. FY2015 requested funding will be utilized to procure Small Mission Computers, at a minimum, and other equipment, if so designated, to maintain Marine Corps RQ-7B Shadow Unmanned Aircraft Systems interoperability and commonality with Army systems.																					

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	26.017	47.102	22.117	2.542	-	2.542	3.815	3.828	-	-	-	105.421
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	26.017	47.102	22.117	2.542	-	2.542	3.815	3.828	-	-	-	105.421
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	26.017	47.102	22.117	2.542	-	2.542	3.815	3.828	-	-	-	105.421
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The RQ-7B Shadow Unmanned Air Vehicle System modifications are procured through the Army on the Army's Shadow Tactical Unmanned Aircraft Systems (UAS) 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.

FY2013 requested funding supports the continuation of the Congressionally mandated Tactical Common Data Link (TCDL) and continues support for Pre-Planned Product Improvements (P3I), retrofits, and associated equipment for Shadow including 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. FY 2013 funding will procure five TCDL upgrade kits to upgrade deploying RQ-7B Shadow systems to maintain interoperability with Army in Operation Enduring Freedom.

FY2014 requested funding supports the continuation of the Congressionally mandated TCDL and supports 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 funding will be utilized to procure two TCDL upgrade kits, and incorporation of twenty-six Small Mission Computers, at a minimum, to maintain United States Marine Corps RQ-7B Shadow UAS interoperability with United States Army systems.

FY2015 requested funding will be utilized to procure Small Mission Computers, at a minimum, and other equipment, if so designated, to maintain Marine Corps RQ-7B Shadow Unmanned Aircraft System interoperability and commonality with Army systems.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONE:

Planned Initial Operational Capability for TCDL rescheduled from FY2013 to FY2014

Planned Initial Operational Capability for Small Mission Computers in FY2015

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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												
2.1.1) P3I Upgrades/Retrofits - NonOrganic ⁽¹⁾	2 / 25.446	5 / 47.102	28 / 22.117	38 / 2.542	- / -	38 / 2.542	46 / 3.815	46 / 3.828	- / -	- / -	- / -	165 / 104.850
Subtotal: Recurring	- / 25.446	- / 47.102	- / 22.117	- / 2.542	- / -	- / 2.542	- / 3.815	- / 3.828	- / -	- / -	- / -	- / 104.850
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic	- / 0.571	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.571
Subtotal: Non-Recurring	- / 0.571	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.571
Subtotal: RQ-7 UAV Retrofits (OSIP 006-11)	2 / 26.017	5 / 47.102	28 / 22.117	38 / 2.542	- / -	38 / 2.542	46 / 3.815	46 / 3.828	- / -	- / -	- / -	165 / 105.421
Subtotal: Procurement, All Modification Items	- / 26.017	- / 47.102	- / 22.117	- / 2.542	- / -	- / 2.542	- / 3.815	- / 3.828	- / -	- / -	- / -	- / 105.421
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												
Modification Item 1 of 1: RQ-7 UAV Retrofits (OSIP 006-11)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	26.017	47.102	22.117	2.542	-	2.542	3.815	3.828	-	-	-	105.421

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: AAI ⁽²⁾														Manufacturer Location: >Hunt Valley, MD																	
Administrative Leadtime <i>(in Months)</i> : 9														Production Leadtime <i>(in Months)</i> : 12																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Jun 2013				Jun 2014				Jun 2015				Jun 2016				Jun 2017													
Delivery Dates		Jun 2014				Jun 2015				Jun 2016				Jun 2017				Jun 2018													
Installation Information																															
Method of Implementation: [none specified] : Installation Name: P3I Upgrades/Retrofits																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.000					
FY 2013		- / -		- / -		5 / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		5 / -					
FY 2014		- / -		- / -		- / -		28 / -		- / -		28 / -		- / -		- / -		- / -		- / -		- / -		- / -		28 / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		38 / -		- / -		- / -		- / -		- / -		- / -		38 / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		46 / -		- / -		- / -		- / -		- / -		46 / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		46 / -		- / -		- / -		- / -		46 / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		2 / -		5 / -		28 / -		- / -		28 / -		38 / -		46 / -		46 / -		- / -		- / -		- / -		165 / -					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	-	-	-	-	-	5	-	-	-	-	28	-	-	-	38	-	-	-	46	-	-	-	46	-	-	-	-	-	165
Out	-	2	-	-	-	-	-	5	-	-	-	-	28	-	-	-	38	-	-	-	46	-	-	-	46	-	-	-	-	-	165
Footnotes: ⁽¹⁾ Notes: 1. FY2013 funding will procure 5 Tactical common Data Link (TCDL) upgrade kits. 2. FY2014 funding will procure 2 TCDL upgrade kits and 26 Small Mission Computers. 3. FY2015 funding will procure Small Mission Computers. 4. Total cost includes installation dollars that are contracted via turn-key. ⁽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 2015 Navy										Date: March 2014										
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total								
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Gross/Weapon System Cost (<i>\$ in Millions</i>)	691.458	88.861	156.534	135.584	-	135.584	121.761	139.021	150.041	146.108	733.407	2,362.775								
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Net Procurement (P1) (<i>\$ in Millions</i>)	691.458	88.861	156.534	135.584	-	135.584	121.761	139.021	150.041	146.108	733.407	2,362.775								
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Total Obligation Authority (<i>\$ in Millions</i>)	691.458	88.861	156.534	135.584	-	135.584	121.761	139.021	150.041	146.108	733.407	2,362.775								
<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>)	-	-	-	-	-	-	-	-	-	-	-	-								
[#] The FY 2015 OCO Request will be submitted at a later date.																				
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 192 MV-22's in service by end of Fiscal Year(FY) 2013 and will support an additional 53 aircraft to be delivered through FY 2015. The overall goal of the modifications budgeted in FY 2015 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 2015 focus will be on reducing flight hour costs, and improving Time On Wing, as reflected in the Readiness Operational Safety Improvement Program (OSIP).																				
Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)	P-3a		-	-	661.903	-	-	54.936	-	-	93.670	-	-	86.201	-	-	-	-	-	86.201

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 2 / MV-22 Readiness (OSIP 028-12)	P-3a		-	-	29.555	-	-	33.925	-	-	62.864	-	-	49.383	-	-	-	-	-	49.383
Total Gross/Weapon System Cost			-	-	691.458	-	-	88.861	-	-	156.534	-	-	135.584	-	-	-	-	-	135.584

Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / MV-22 Correction of Deficiencies and Pre Block A Through C. (OSIP 022-01)	P-3a		-	-	54.656	-	-	48.312	-	-	60.217	-	-	57.502	-	-	190.503	-	-	1,307.900
P-3a - 2 / MV-22 Readiness (OSIP 028-12)	P-3a		-	-	67.105	-	-	90.709	-	-	89.824	-	-	88.606	-	-	542.904	-	-	1,054.875
Total Gross/Weapon System Cost			-	-	121.761	-	-	139.021	-	-	150.041	-	-	146.108	-	-	733.407	-	-	2,362.775

*For the P-3a, Title represents the Modification Number / Title.

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

Justification:

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. In FY12, ECPs began addressing readiness degraders impacting MV-22 reliability, maintainability, availability, and cost per flight hour were captured under OSIP 28-12.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	661.903	54.936	93.670	86.201	-	86.201	54.656	48.312	60.217	57.502	190.503	1,307.900
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	661.903	54.936	93.670	86.201	-	86.201	54.656	48.312	60.217	57.502	190.503	1,307.900
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	661.903	54.936	93.670	86.201	-	86.201	54.656	48.312	60.217	57.502	190.503	1,307.900
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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. Starting in FY12, ECPs that addressed readiness degraders impacting MV-22 reliability, maintainability, availability, and cost per flight hour were captured under Operational Safety Improvement Program (OSIP) 28-12.

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.

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.

PRODUCTION ROTOR LIGHTING PROTECTION: Improves rotor system lighting protection by adding improved bonding harness and grounding strap bracket.

BRACKET HYDRAULIC LINE CLAMPING: Relocate clamping provisions from the removable conversion actuator fairing to the frame and improve the tube installation.

WASHER: Washer to now be included with attach hardware to ensure adequate tying of the assembly.

RELIABILITY & MAINTAINABILITY FIXES: Includes Corrective Action Plans to make the aircraft compliant with Operation Requirements Document requirements.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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-TBD: 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-511: AIRFRAME PART TASK TRAINER, Incorporate Block 'B' configuration changes. ECP-TBD: Block B safety configuration changes required to meet mission requirements. Changes are associated with the aircraft Propulsion/Drive, Electrical, Avionics, Hydraulics, and Structure/Airframe. 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-573: Nose Landing Gear (NLG) Shock Struts, Nose Landing Gear shock struts are a life limited part, redesigned struts will eliminate safety of flight issue. 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-761: Engine Air Particle Separator (EAPS), Provides a more efficient and reliable system by incorporating an upgraded EAPS Blower case drain hose, an upgraded EAPS Blower outlet hose, and the elimination of restrictors in the case drain circuit. ECP-515: Improved Nacelle Blower, Provides a change to correct current nacelle blower bearing failures. ECP-685: Incorporation of Miscellaneous ECPs, Implements the following ECPs on Lot 4 aircraft: 2nd source Refuel/Defuel Valve, Block B Cargo Door Actuator Redesign and Cargo Tie Down. ECP-721: Ramp Mounted Weapon System (RMWS), Provide an all quadrant Defensive Weapon System for the V-22. ECP-772: Forward Looking Infrared (FLIR) Firmware Improvements, Provides the FLIR System Electronics Unit Video Signal Processor firmware version 2.38. 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-860: K-Voice and Data Recorder 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. ECP TBD: Ice Protection Provides new heater blankets without the associated fairings as a stand alone number to lessen the damage to the fairings associated with blades OCO 08: Ice Protection: Central De-ice Distributor/Master Ice Protection Control Unit/Nacelle Ice Protection Control Unit Block B CPD states the V22 is required to be able to operate in moderate icing conditions without adaptive kits. Funding will field kits and installation of the ice protection systems in 3 aircraft. This modification is necessary to ensure that training squadrons have the icing system functionality to support training requirements for squadron deployment in support of OCO. ECP-TBD: Cargo Winch System Redesign ECP-TBD: 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 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 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. OCO BFT II Block B Retrofit 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 Overseas Contingency Operations (OCO) 12 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 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. HM-X-1 VIP Kits: The kits would include the jump seat covers/cushions, cargo area and ramp carpeting, pad eye covers, associated aircraft installation hardware and storage / transportation containers. MV-22B Block C VIP Seat Covers/Carpet kits in accordance with Deputy Commandant for Aviation requirements letter dated 02 April 2012.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
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 Turret 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. 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. ECP: 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: 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: 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. FY15 New Starts include: BFT II BIK C MTX Kits, Cabin Situational Awareness Device, FLIR ELAP and FLIR SEU Note: Prior Year IDWS (Cost Element 1.1.21) OCO funding provided to modify the 32 existing IDWS Kits. No additional kits were procured.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 / 1.941	
1.1.2) BFT II Block C MTX Kits - Organic	- / -	- / -	- / -	48 / 0.443	- / -	48 / 0.443	18 / 0.169	- / -	- / -	- / -	- / -	66 / 0.612	
1.1.3) Block A to B - NonOrganic ⁽¹⁾	14 / 72.374	3 / 15.500	4 / 21.000	4 / 21.399	- / -	4 / 21.399	2 / 10.903	- / -	- / -	- / -	- / -	27 / 141.176	
1.1.4) Block A to B GFE - Organic	14 / 2.069	3 / 0.873	4 / 1.164	4 / 1.186	- / -	4 / 1.186	2 / 0.604	- / -	- / -	- / -	- / -	27 / 5.896	
1.1.5) Cargo Winch System Redesign - NonOrganic	- / -	14 / 1.202	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.202	
1.1.6) Cabin Situational Awareness Device - Organic	- / -	- / -	- / -	14 / 0.998	- / -	14 / 0.998	4 / 0.290	- / -	- / -	- / -	- / -	18 / 1.288	
1.1.7) Data Transfer System - Organic	- / -	- / -	145 / 11.455	8 / 0.644	- / -	8 / 0.644	- / -	- / -	- / -	- / -	- / -	153 / 12.099	
1.1.8) Day Heads Up Display - Organic	334 / 4.588	114 / 3.200	101 / 2.874	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	549 / 10.662	
1.1.9) Engine Air Particle Separator - NonOrganic	70 / 8.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 8.000	
1.1.10) Enhanced Crash Survivable Memory Unit (Cockpit Voice Recorder) - NonOrganic	- / -	48 / 1.056	48 / 1.056	32 / 0.717	- / -	32 / 0.717	32 / 0.731	32 / 0.745	32 / 0.760	32 / 0.774	58 / 1.428	314 / 7.267	
1.1.11) FLIR ELAP - NonOrganic	- / -	- / -	- / -	20 / 0.400	- / -	20 / 0.400	50 / 1.019	55 / 1.143	- / -	- / -	- / -	125 / 2.562	
1.1.12) FLIR Firmware Improvements - Organic	29 / 2.775	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 2.775	
1.1.13) FLIR SEU - Organic	- / -	- / -	- / -	11 / 3.960	- / -	11 / 3.960	4 / 1.467	- / -	- / -	- / -	- / -	15 / 5.427	
1.1.14) Gen 5 Radio ARC 210 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.064	60 / 0.391	- / -	- / -	70 / 0.455	
1.1.15) HMX-1 VIP Kits - Organic	- / -	12 / 2.657	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 2.657	
1.1.16) Ice Protection Blk B Heater Blades - Organic	143 / 20.898	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	143 / 20.898	
1.1.17) IGV & Hyd Flow Reg - NonOrganic	186 / 2.006	- / -	3 / 0.036	42 / 0.129	- / -	42 / 0.129	- / -	- / -	- / -	- / -	- / -	231 / 2.171	
1.1.18) Interim CDD - NonOrganic	152 / 0.469	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	152 / 0.469	
1.1.19) Interim Defense Weapon System - Organic	32 / 32.966	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 32.966	
1.1.20) Interim Defense Weapon System OCO ECP - Organic	- / 18.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.600	
1.1.21) Interim Defense Weapon System GFE - Organic	12 / 0.962	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.962	
1.1.22) IR Suppressor - NonOrganic ⁽²⁾	68 / 5.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	68 / 5.100	
1.1.23) K-Voice and Data Recorder (VADR) - Organic	58 / 0.640	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	58 / 0.640	
1.1.24) KVADR GFE - Organic	72 / 1.440	34 / 0.580	39 / 0.663	39 / 0.676	- / -	39 / 0.676	9 / 0.158	- / -	- / -	- / -	- / -	193 / 3.517	
1.1.25) Main Landing Fire Suppression - NonOrganic ⁽³⁾	204 / 5.946	- / -	- / -	37 / 1.352	- / -	37 / 1.352	- / -	- / -	- / -	- / -	- / -	241 / 7.298	

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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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) Main Landing Fire Suppression Organic - Organic	78 / 2.244	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	78 / 2.244	
1.1.27) Nose Landing Gear - NonOrganic	142 / 0.659	48 / 0.306	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	190 / 0.965	
1.1.28) OCO Readiness IPS CDD - NonOrganic ⁽⁴⁾	92 / 17.127	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	92 / 17.127	
1.1.29) OCO Readiness IPS MIPC - NonOrganic	44 / 7.231	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 7.231	
1.1.30) OCO Readiness Seven Wiring Harness - NonOrganic	43 / 2.022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / 2.022	
1.1.31) OCO Readiness 13 Wiring Harness - NonOrganic	51 / 2.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 2.040	
1.1.32) OCO Readiness Seven Wiring Harness Organic - Organic	44 / 2.112	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 2.112	
1.1.33) Ramp Mounted Weapon System - Organic	112 / 1.978	- / -	227 / 5.091	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	339 / 7.069	
1.1.34) Rapid Ground Refueling - NonOrganic	148 / 0.192	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	148 / 0.192	
1.1.35) Slim MFD - NonOrganic	- / -	- / -	23 / 5.160	15 / 3.429	- / -	15 / 3.429	14 / 3.261	- / -	- / -	- / -	- / -	52 / 11.850	
1.1.36) Traffic Collision Avoidance System (TCAS) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	15 / 3.495	25 / 5.936	20 / 4.838	48 / 11.834	111 / 27.885	219 / 53.988	
1.1.37) V-22 Integrated Aircraft Survivability Equipment - NonOrganic	- / -	- / -	- / -	30 / 7.229	- / -	30 / 7.229	36 / 8.841	36 / 9.009	36 / 9.180	36 / 9.354	70 / 18.534	244 / 62.147	
1.1.38) Archived ECPs - Organic	1,671 / 167.572	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,671 / 167.572	
1.1.39) Archived ECPs PY Install - Organic	3,567 / 9.114	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3,567 / 9.114	
Subtotal: Recurring	- / 391.124	- / 26.274	- / 49.540	- / 42.562	- / -	- / 42.562	- / 30.938	- / 16.897	- / 15.169	- / 21.962	- / 47.847	- / 642.313	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 72.803	- / 8.350	- / 12.651	- / 11.302	- / -	- / 11.302	- / 3.171	- / 0.645	- / -	- / -	- / -	- / 108.922	
Subtotal: Non-Recurring	- / 72.803	- / 8.350	- / 12.651	- / 11.302	- / -	- / 11.302	- / 3.171	- / 0.645	- / -	- / -	- / -	- / 108.922	
B Kits													
Recurring													
2.1.1) Archived B Kits - Organic	72 / 3.771	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 3.771	
2.1.2) Archived B Kits PY Install - Organic	12 / 0.029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.029	
Subtotal: Recurring	- / 3.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.800	
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)	7,464 / 468.304	287 / 34.624	607 / 62.191	304 / 53.864	- / -	304 / 53.864	186 / 34.109	158 / 17.542	148 / 15.169	116 / 21.962	239 / 47.847	9,509 / 755.612	

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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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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) PY Installs													
3.5) Support Equipment													
3.6) ILS ⁽⁶⁾													
3.7) Other Support													
3.8) Interim Contractor Support ⁽⁷⁾													
Subtotal: Support													
Installation													
Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)													
Subtotal: Installation													
Total													
Total Cost (Procurement + Support + Installation)													

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Exhibit P-3a, Individual Modification: PB 2015 Navy						Date: March 2014	
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Block A to B				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 21			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Dec 2012	Dec 2013	Dec 2014	Dec 2015			
Delivery Dates	Sep 2014	Sep 2015	Sep 2016	Sep 2017			
Manufacturer Name: Cargo Winch System Redesign				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 11				Production Leadtime (<i>in Months</i>): 2			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Sep 2013						
Delivery Dates	Nov 2013						
Manufacturer Name: Engine Air Particle Separator				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 8			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: Enhanced Crash Survivable Memory Unit				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 13				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018	Nov 2019
Delivery Dates	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019	Oct 2020
Manufacturer Name: FLIR ELAP				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 10			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Jan 2014	Jan 2015				

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Exhibit P-3a, Individual Modification: PB 2015 Navy						Date: March 2014	
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Delivery Dates		Apr 2014	Apr 2015				
Manufacturer Name: Interim CDD				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 2				Production Leadtime (<i>in Months</i>): 10			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: IR Suppressor				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 21			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: V-22 Integrated Aircraft Survivability Equipment				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 10				Production Leadtime (<i>in Months</i>): 13			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			Aug 2015	Aug 2016	Aug 2017	Aug 2018	Aug 2019
Delivery Dates			Oct 2017	Oct 2018	Oct 2019	Oct 2020	Oct 2021
Manufacturer Name: Main Landing Fire Suppression				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 5				Production Leadtime (<i>in Months</i>): 19			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			Feb 2015				
Delivery Dates			Oct 2016				
Manufacturer Name: Nose landing gear				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 4			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Dec 2012						
Delivery Dates	Apr 2013						
Manufacturer Name: OCO Readiness				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 11				Production Leadtime (<i>in Months</i>): 16			

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
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)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Manufacturer Name: Rapid Ground Refueling				Manufacturer Location: >N/A								
Administrative Leadtime (in Months): 12				Production Leadtime (in Months): 12								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Manufacturer Name: SLIM MFD				Manufacturer Location: >N/A								
Administrative Leadtime (in Months): 9				Production Leadtime (in Months): 4								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Jun 2014	Jun 2015	Jun 2016								
Delivery Dates		Oct 2014	Oct 2015	Oct 2016								
Manufacturer Name: TCAS				Manufacturer Location: >N/A								
Administrative Leadtime (in Months): 8				Production Leadtime (in Months): 5								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates				May 2016	May 2017	May 2018	May 2019					
Delivery Dates				Oct 2016	Oct 2017	Oct 2018	Oct 2019					
Installation Information												
Method of Implementation: Contractor Drive-In Mod : Installation Name: Block A to B												
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 24.712	2 / 6.251	3 / 6.574	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 37.537
FY 2013	- / -	- / -	1 / 2.000	2 / 5.804	- / -	2 / 5.804	- / -	- / -	- / -	- / -	- / -	3 / 7.804
FY 2014	- / -	- / -	- / -	2 / 5.804	- / -	2 / 5.804	2 / 4.735	- / -	- / -	- / -	- / -	4 / 10.539
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.735	2 / 5.098	- / -	- / -	- / -	4 / 9.833
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.097	- / -	- / -	- / -	2 / 5.097
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Drive-In Mod : Installation Name: Block A to B

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	9 / 24.712	2 / 6.251	4 / 8.574	4 / 11.608	- / -	4 / 11.608	4 / 9.470	4 / 10.195	- / -	- / -	- / -	27 / 70.810

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	-	2	1	1	-	2	1	1	-	2	-	-	-	-	-	-	-	-	-	27
Out	9	-	-	1	1	1	1	1	1	1	1	-	2	1	1	-	2	1	1	-	2	-	-	-	-	-	-	-	-	-	27

Method of Implementation: Contractor Drive-In Modification : Installation Name: Cargo Winch System Redesign

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	14 / 0.014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.014
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	14 / 0.014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.014

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Drive-In Modification : Installation Name: Cargo Winch System Redesign

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Out	-	-	-	-	-	4	4	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14

Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: Engine Air Particle Separator

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.114	38 / 0.083	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 0.197
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	32 / 0.114	38 / 0.083	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 0.197

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	9	10	9	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70		
Out	32	9	10	9	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: Enhanced Crash Survivable Memory Unit

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	48 / 0.192	- / -	48 / 0.192	- / -	- / -	- / -	- / -	- / -	48 / 0.192
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.195	- / -	- / -	- / -	- / -	48 / 0.195
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.133	- / -	- / -	- / -	32 / 0.133
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.135	- / -	- / -	32 / 0.135
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.138	- / -	32 / 0.138
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.141	32 / 0.141
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.144	32 / 0.144
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	58 / 0.261	58 / 0.261
Total	- / -	- / -	- / -	48 / 0.192	- / -	48 / 0.192	48 / 0.195	32 / 0.133	32 / 0.135	32 / 0.138	122 / 0.546	314 / 1.339

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	8	8	8	8	8	8	8	8	8	8	8	8	122	314
Out	-	-	-	-	-	-	-	-	-	12	12	12	12	12	12	12	12	8	8	8	8	8	8	8	8	8	8	8	8	122	314

Method of Implementation: Contractor Field Modification : Installation Name: FLIR ELAP

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Modification : Installation Name: FLIR ELAP

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.120	50 / 0.306	55 / 0.342	- / -	- / -	125 / 0.768

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 2.407	50 / 1.149	60 / 0.974	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	186 / 4.530
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	3 / 0.127	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.127
FY 2015	- / -	- / -	- / -	42 / 1.241	- / -	42 / 1.241	- / -	- / -	- / -	- / -	- / -	42 / 1.241
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	76 / 2.407	50 / 1.149	63 / 1.101	42 / 1.241	- / -	42 / 1.241	- / -	- / -	- / -	- / -	- / -	231 / 5.898

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: IGV & Hyd Flow Reg

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	12	13	13	12	15	15	17	16	-	-	21	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	231
Out	76	12	13	13	12	15	15	17	16	-	-	21	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	231

Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: Interim CDD

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	52 / 0.520	100 / 0.235	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	152 / 0.755
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	52 / 0.520	100 / 0.235	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	152 / 0.755

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	52	24	25	25	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	152
Out	52	24	25	25	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	152

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: IR Suppressor

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	43 / 0.526	8 / 0.118	8 / 0.145	8 / 0.148	- / 0.000	8 / 0.148	1 / 0.019	- / -	- / -	- / -	- / -	68 / 0.956
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	43 / 0.526	8 / 0.118	8 / 0.145	8 / 0.148	- / -	8 / 0.148	1 / 0.019	- / -	- / -	- / -	- / -	68 / 0.956

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	43	2	2	2	2	2	2	2	2	2	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68
Out	43	2	2	2	2	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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	- / -	- / -	- / -	48 / 0.764	8 / 0.128	- / -	- / -	- / -	204 / 2.691
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	37 / 0.601	- / -	- / -	- / -	37 / 0.601
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Navy Field Modification : Installation Name: Main Landing Fire Suppression

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	76 / 0.758	- / -	72 / 1.041	- / -	- / -	- / -	48 / 0.764	45 / 0.729	- / -	- / -	- / -	241 / 3.292

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	12	12	12	12	13	13	9	10	-	-	-	-	-	-	-	-	-	241
Out	76	-	-	-	-	18	18	18	18	-	-	-	-	12	12	12	12	13	13	9	10	-	-	-	-	-	-	-	-	-	241

Method of Implementation: Contractor Drive-In Modification : Installation Name: Nose Landing Gear

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	94 / 0.256	48 / 0.149	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	142 / 0.405
FY 2013	- / -	48 / 0.149	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.149
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	94 / 0.256	96 / 0.298	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	190 / 0.554

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Drive-In Modification : Installation Name: Nose Landing Gear

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	94	24	24	24	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190
Out	94	24	24	24	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190

Method of Implementation: Contractor Drive-in Mod : Installation Name: OCO Readiness

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	101 / 0.661	129 / 0.932	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	230 / 1.593
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	101 / 0.661	129 / 0.932	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	230 / 1.593

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	101	14	14	46	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	230
Out	101	14	14	46	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	230

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Drive-In Modification : Installation Name: Rapid Ground Refueling

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.627	48 / 0.545	45 / 0.510	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	148 / 1.682
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	55 / 0.627	48 / 0.545	45 / 0.510	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	148 / 1.682

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	12	12	12	12	11	11	12	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	148
Out	55	12	12	12	12	11	11	12	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	148

Method of Implementation: Contractor Field Modification : Installation Name: Slim MFD

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	23 / 0.805	- / -	23 / 0.805	- / -	- / -	- / -	- / -	- / -	23 / 0.805
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.535	- / -	- / -	- / -	- / -	15 / 0.535
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.508	- / -	- / -	- / -	14 / 0.508
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Modification : Installation Name: Slim MFD

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	23 / 0.805	- / -	23 / 0.805	15 / 0.535	14 / 0.508	- / -	- / -	- / -	52 / 1.848

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	4	4	4	4	4	4	2	-	-	-	-	-	-	-	-	-	52
Out	-	-	-	-	-	-	-	-	-	5	6	6	6	3	4	4	4	4	4	4	2	-	-	-	-	-	-	-	-	-	52

Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: Traffic Collision Avoidance System (TC)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.600	- / -	- / -	- / -	15 / 0.600
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 1.019	- / -	- / -	25 / 1.019
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.830	- / -	20 / 0.830
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 2.040	48 / 2.040
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	111 / 4.717	111 / 4.717
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.600	25 / 1.019	20 / 0.830	159 / 6.757	219 / 9.206

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: Traffic Collision Avoidance System (TC)

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	4	4	6	6	6	7	5	5	5	5	159	219
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	4	4	6	6	6	7	5	5	5	5	159	219

Method of Implementation: Contractor Drive-In Modification : Installation Name: V-22 Integrated Aircraft Survivability Equipme

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 5.385	- / -	- / -	- / -	30 / 5.385
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 6.585	- / -	- / -	36 / 6.585
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 6.710	- / -	36 / 6.710
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 6.837	36 / 6.837
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 6.967	36 / 6.967
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 13.533	70 / 13.533
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 5.385	36 / 6.585	36 / 6.710	142 / 27.337	244 / 46.017

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	8	8	9	9	9	9	9	9	9	9	142	244
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	8	8	9	9	9	9	9	9	9	9	142	244

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 2015 Navy		Date: March 2014
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Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)		
Modification Item MDAP/MAIS Code:		
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: 153
Method of Implementation (Organic): Organic - Day Heads Up Display		Installation Quantity: 549
Method of Implementation (Organic): Organic - FLIR Firmware Improvements		Installation Quantity: 29
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 - HMX-1 VIP Kits		Installation Quantity: 12
Method of Implementation (Organic): Organic - Ice Protection Blk B Heater Blades		Installation Quantity: 143
Method of Implementation (Organic): Organic - Interim Defense Weapon System		Installation Quantity: 32
Method of Implementation (Organic): Organic - Interim Defense Weapon System GFE		Installation Quantity: 12
Method of Implementation (Organic): Organic - K-Voice and Data Recorder (VADR)		Installation Quantity: 58
Method of Implementation (Organic): Organic - KVADR GFE		Installation Quantity: 193
Method of Implementation (Organic): Organic - Main Landing Fire Suppression Organic		Installation Quantity: 78

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - OCO Readiness Seven Wiring Harness Organic		Installation Quantity: 44
Method of Implementation (Organic): Organic - Ramp Mounted Weapon System		Installation Quantity: 339
Method of Implementation (Organic): Not Installed - Archived ECPs		Installation Quantity: 1671
Method of Implementation (Organic): Not Installed - Archived ECPs PY Install		Installation Quantity: 3567
Method of Implementation (Organic): Not Installed - Archived B Kits		Installation Quantity: 72
Method of Implementation (Organic): Not Installed - Archived B Kits PY Install		Installation Quantity: 12
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 7
Footnotes: (1) FY11 procurement approved by ATR for \$11.050M The negotiated qty for FY11-13 allowed us to receive a qty/unit price discount based on 8 kits. FY14 and out are based on cost estimate and no qty discount. (2) Kits are being installed as they are being delivered, kit deliveries have been delayed due to long production lead time. (3) Fire suppression kit money was given to us under an ATR, kits were procured originally planned to be an organic install. After the initial installs the install method has been changed to non-organic thus the need for install funding in FY14-17. FY15 kits buys are required to meet the fleet requirement. (4) OCO Readiness Schedules combines, OCO Readiness IPS CDD, OCO Readiness IPS MIPC, OCO Readiness 7 Wiring Harness and OCO Readiness 13 Wiring Harness due to concurrent installation. (5) Training Equipment: The increase between FY16 and FY18 is due to the Block C modification of training simulators and maintenance trainers. (6) ILS growth in FY15 due to modifications that have no production effectivity (7) 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 2015 Navy		Date: March 2014
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	29.555	33.925	62.864	49.383	-	49.383	67.105	90.709	89.824	88.606	542.904	1,054.875
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	29.555	33.925	62.864	49.383	-	49.383	67.105	90.709	89.824	88.606	542.904	1,054.875
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	29.555	33.925	62.864	49.383	-	49.383	67.105	90.709	89.824	88.606	542.904	1,054.875
(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)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

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.

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.

Local and Remote Shutoff Valve Pressure Switch: Will correct the following failure modes: microswitch plunger overtravel, and various qual test anomalies.

Infra-red Suppressor (IRS) Block A Removal: Eliminate some IRS components while maintaining structural support, coanda mounting points and vibration requirements.

Vibration Structural Live Engine Diagnostic, Drive System Interface Unit, Fuel Management Unit Implements changes to internal component parts that address parts obsolescence issues and improves.

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.

Auxiliary Power Unit (APU-105) Upgrades: Incorporation provides for improved reliability and configuration commonality for APU.

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.

Interface Requirements Specification Centerbody One of the top Critical Items Logistics Review degraders. An improved design was developed to upgrade the existing units for greater reliability.

Lower Nacelle System readiness degraders, to reduce cost per flight hour on the lower nacelle.

Land Navigation System/Interface Electronics Assemblies EAPS that would be retrofitted for the fleet. Components with greatest impact to time on wing for engine, via improved particulate separation and removal.

Nacelle Airflow Particle Separator Provide particulate separation and greatly reduce particulate contamination of heat exchanger.

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.

Nacelle Blower Redesign Effort will address permanent solution to current failure modes: tip rub issue, increase stall margin, increase sand tolerance, increase corrosion resistance in bearings.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
Improved Lower Nacelle (separated into Nacelle Heat Exchanger and Nacelle Station (STA) 400 Air Baffle Cracking) takes advantage of improvements in 3-D computer modeling developed over last 3 decades. Reduced ingestions and Foreign Object Debris (FODs). E-Blowers to Increase particle separation efficiency, improve airflow, incorporate electric blower subsystem to increase blower scavenge flow and remove hydraulic lines from lower nacelle. Variable Frequency Generator (VFG) 115 is a suitable substitute for the -117 to reduce flight costs. Overtorque correction to failures associated with Input quill/clutch assembly Modification of the Prop Rotor Gear Box (PRGB) Gear Train Mast, Input Quill Housing, Clutch, and Engine to improve reliability. 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 Densd Chrome. Pressure Shut Off Valve: Mod to prevent valve from becoming unstable or closing resulting in tank not giving fuel up for defuel operation or transfer. 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. Nacelle Door Hook Latch Increase Nacelle door panel access and reliability, enabling improved maintainability, modification will improve Reliability & Maintainability of work platforms and access panels to the Nacelle assembly by fleet and depot maintainers. Nacelle Wiring Overseas Contingency Operations: to reduce cost per flight hour on various wiring units within the nacelles. Wing Auxillary Tank refuel-defuel valve: Mod to valve to decrease air ingestion. Landing Gear Control Unit: improvement to circuit cards to better control electricity to control unit. Primary Lighting Control Unit: increase resistor control to primary lighting to prevent burn outs to control unit. Rudder Attachment Reliability Improvement: upgrade to bearings associated with the rear rudder. Improved Slip Ring Assembly: To increase mean time between failures of swashplate assembly (which encompasses the slip ring assembly). Conversion Area Harnesses: The Conversion Area ribbon harnesses are significant negative contributors to readiness, with wire harness 962 (W962) and Wire harness 971 (W971) being the 2 highest drivers on the aircraft. Ribbon harnesses fail due to environmental factors and tight bend radius in this area. Upper and Lower Rod Ends Redesign to prevent excessive wear from normal propotor operation. Maintainer Strut Redesign the maintainer door will be made as an aluminum machining, and have the final end item assembly be procured as one end item. Anti-Drive Joint Improve time to remove the anti-drive assembly and eliminate FOD ingestion in the clearance hole in machined cavity of base assy between the two bushings. Hub Improvements Reliability & Maintainability improvements made to the prop-rotor hub. Windshield Kits Coatings/redesign to eliminate the failure modes of cracking and hazing. Gimbal Assembly Increase mean time between failures of the swashplate and hub assembly (which includes the gimbal assembly). Shaft Driven Compressor (SDC) Repair of Repairables: This effort will reconfigure material to class 2, change 6-1 configuration. 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. APX-123 Replaces the APX-118 Identification, Friend or Foe transponder with the required MODE 5 capable APX-123 transponder. 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. Inlet Scroll Time On Wing Improvement Program will complement engine durability improvements by more than 50%, reducing operating costs and improving component reliability and reduce system maintenance. Drive System components Incorporate seals on the drive system components to prevent corrosion and early replacement. Drag Pin and Link Improvements redesign pin and links to improve durability. APU components to have an electric starter, which will reduce costs for APU replacement components. Fuel cell components Redesign boost pumps to increase readiness. Rain Removal System improved forward flight rain removal to decrease rusting parts. Rotor Blade improvements for permanent solution to high replacement costs. Search & Rescue Light to incorporate a Visible/Infrared light that lasts longer. Thrust Control Lever Grip to make switches more durable. 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.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
Environmental Bus: Current configuration of the Environmental Bus causes over amperage of the circuit breaker when in icing and boost pump settings. Improvement plan is to upgrade wiring and reconfigure connectors. The Measured Gas Temperature Increase initiative increases engine operating temperature limit with an increase of engine Time on Wing (TOW). Nacelle Heat Exchanger: Improve Nacelle components cooling capability by increasing part reliability, maintainability, and availability. Upper Nacelle Improvements: Modifications related to component cooling, environmental protection, equipment accessibility, gearbox assemblies, power plant conversion to the proprotor, and shaft systems. Variable Frequency Generator (VFG) Redesign: Integrates a new VFG with a separate microprocessor controlled Generator Control Unit. VFG Reliability Improvements: Corrects VFG failure to go offline and parts obsolescence. 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. APU Clutch Servo: Modify this consumable to address water intrusion and corrosion issues and subsequent corrosion issues. 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. VFG GCU Redesign: ntegrates a new Variable Frequency Generator with a separate microprocessor controlled Generator Control Unit (GCU). 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. 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. Cor-Ban 35 Corrosion Inhibiting Compound (CIC): - This effort addresses Reliability and Maintainability (R&M) issues that drive the retrofit requirements to implement the Cor-Ban 35 CIC to the lower fuselage and ramp of MV/CV-22 Osprey aircraft. Cor-Ban 35 CIC will improve service life while resolving corrosion problems on the aluminum under floor structure and ramp of the aircraft. FUTURE ECPs: Nacelle STA 400 Air Baffle Cracking: upgrading baffle to ensure correct air flow at 400 station in Nacelle. Nacelle Upper Improvements modifications related to component cooling, environmental protection, equipment accessibility, gearbox assemblies, power plant conversion to the proprotor, and shaft systems. Rescue Hoist Hook: improved hook units for hoisting abilities. 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). 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. Mission Computer Obsolescence Iniative (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). FY15 New Starts include: APU Clutch Servo, Engine Durability Concepts, Bellows Tailpipe, Application of Cor-Ban 35 Corrosion, Life Limited Airframe Corrections, MCOI Retrofit, VSLED Vibration Transducers and Pads. Nose Landing Gear moved from 22-01 to 28-12 for FY14.		

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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)

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	51 / 3.360	12 / 0.497	43 / 1.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	106 / 5.457	
1.1.2) Swashplate Actuator - NonOrganic	- / -	48 / 0.344	48 / 0.351	48 / 0.358	- / -	48 / 0.358	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 / 0.650	29 / 0.662	29 / 0.675	29 / 0.688	29 / 0.701	46 / 1.133	220 / 5.147	
1.1.4) Prop Rotor Coating HONTEK - NonOrganic	- / -	220 / 0.220	220 / 0.220	60 / 0.061	- / -	60 / 0.061	- / -	- / -	- / -	- / -	- / -	500 / 0.501	
1.1.5) LRSV Pressure Switch - Organic	50 / 0.390	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 0.390	
1.1.6) Improved Slip Ring Assembly - Organic	- / -	28 / 2.637	13 / 1.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 3.887	
1.1.7) Gimbal Assembly Part 1 - NonOrganic ⁽⁸⁾	- / -	8 / 0.162	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.162	
1.1.8) Gimbal Assembly Part 2 - NonOrganic	- / -	33 / 0.669	39 / 0.794	48 / 0.996	- / -	48 / 0.996	48 / 1.015	52 / 1.120	38 / 0.834	- / -	- / -	258 / 5.428	
1.1.9) Conversion Area Harnesses - Organic	- / -	- / -	61 / 2.545	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	61 / 2.545	
1.1.10) Upper and Lower Rod Ends - NonOrganic	- / -	29 / 2.610	10 / 0.900	10 / 0.917	- / -	10 / 0.917	29 / 2.710	29 / 2.762	29 / 2.814	29 / 2.868	146 / 14.711	311 / 30.292	
1.1.11) Anti-Drive Joint - Organic	- / -	- / -	32 / 0.224	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.224	
1.1.12) STA 400 Air Baffle Cracking - Organic	- / -	- / -	29 / 5.075	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 5.075	
1.1.13) Nacelle STA 400 Air Baffle Cracking - Organic	- / -	- / -	- / -	- / -	- / -	- / -	30 / 2.202	30 / 2.244	- / -	- / -	- / -	60 / 4.446	
1.1.14) Windshield Kits - NonOrganic	- / -	- / -	9 / 1.254	36 / 5.111	- / -	36 / 5.111	36 / 5.208	37 / 5.455	36 / 5.408	34 / 5.205	67 / 10.451	255 / 38.092	
1.1.15) IRS Redesign - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 6.114	25 / 15.575	26 / 16.506	432 / 279.468	493 / 317.663	
1.1.16) Diverter Valve Integration - Organic	178 / 0.131	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	178 / 0.131	
1.1.17) APU-105 - Organic	10 / 0.618	5 / 0.408	- / -	6 / 0.450	- / -	6 / 0.450	6 / 0.459	- / -	- / -	- / -	- / -	27 / 1.935	
1.1.18) APU Clutch Servo - Organic	- / -	- / -	- / -	110 / 0.088	- / -	110 / 0.088	110 / 0.090	110 / 0.091	63 / 0.053	- / -	- / -	393 / 0.322	
1.1.19) APU Impeller Durability - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.300	9 / 0.306	6 / 0.208	24 / 0.814	
1.1.20) Digital Interoperability - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.480	28 / 0.571	50 / 1.038	248 / 5.248	350 / 7.337	
1.1.21) Digital Interoperability GFE - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 4.560	28 / 5.421	50 / 9.864	248 / 49.857	350 / 69.702	
1.1.22) VSLED/DSIU/FMU Reliability Improvements Retrofit - NonOrganic	- / -	5 / 2.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.100	
1.1.23) IPS (CDD) - NonOrganic	39 / 10.410	52 / 7.600	12 / 1.786	6 / 0.910	- / -	6 / 0.910	2 / 0.309	6 / 0.945	4 / 0.642	- / -	- / -	121 / 22.602	
1.1.24) IPS (CDD/NIPCU) - NonOrganic	- / -	34 / 1.860	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 1.860	
1.1.25) IPS (CDD/NIPCU) Organic - Organic	- / -	- / -	- / -	6 / 0.396	- / -	6 / 0.396	2 / 0.135	6 / 0.411	4 / 0.279	- / -	- / -	18 / 1.221	
1.1.26) Pressure Shut Off Valve - Organic	135 / 1.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	135 / 1.350	
1.1.27) Sponson Refuel-Defuel Valve - Organic	40 / 1.312	- / -	40 / 1.312	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 2.624	
1.1.28) Measured Gas Temperature Index - Organic	164 / 4.932	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	164 / 4.932	

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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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
1.1.29) Nacelle Wiring OCO - Organic	20 / 2.752	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 2.752	
1.1.30) SDC Impeller - Organic	- / -	- / -	- / -	- / -	- / -	- / -	51 / 2.601	63 / 3.274	21 / 1.112	21 / 1.133	- / -	156 / 8.120	
1.1.31) Wing Aux Tank Refuel-Defuel Valve - Organic	- / -	- / -	10 / 1.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.600	
1.1.32) Nacelle Door Hook Latch - Organic	75 / 0.943	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	75 / 0.943	
1.1.33) Nacelle Heat Exchanger - Organic ⁽⁹⁾	- / -	49 / 3.234	72 / 4.752	16 / 1.076	- / -	16 / 1.076	- / -	- / -	- / -	- / -	- / -	137 / 9.062	
1.1.34) Formsprag Clutch - Organic	- / -	- / -	- / -	- / -	- / -	- / -	120 / 6.000	120 / 6.114	60 / 3.115	32 / 1.693	35 / 1.887	367 / 18.809	
1.1.35) Engine Durability Concepts - Organic	- / -	- / -	- / -	90 / 2.700	- / -	90 / 2.700	90 / 2.751	90 / 2.804	90 / 2.857	90 / 2.911	- / -	450 / 14.023	
1.1.36) Bellows Tailpipe - Organic	- / -	- / -	- / -	90 / 0.225	- / -	90 / 0.225	101 / 0.257	121 / 0.314	51 / 0.135	- / -	- / -	363 / 0.931	
1.1.37) Landing Gear Control Unit - Organic	90 / 0.720	4 / 0.036	60 / 0.480	60 / 0.489	- / -	60 / 0.489	60 / 0.498	60 / 0.508	- / -	- / -	- / -	334 / 2.731	
1.1.38) PLCU Retrofit - NonOrganic	234 / 0.200	6 / 0.308	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	240 / 0.508	
1.1.39) PRGB Atmospheric Protection and Mast Seal Improvement - Organic	- / -	- / -	16 / 0.358	24 / 0.547	- / -	24 / 0.547	24 / 0.558	24 / 0.568	33 / 0.796	36 / 0.885	75 / 1.879	232 / 5.591	
1.1.40) Prop Rotor Coating Improvement - Organic	- / -	- / -	- / -	180 / 1.080	- / -	180 / 1.080	180 / 1.101	180 / 1.121	180 / 1.143	180 / 1.164	1,182 / 7.792	2,082 / 13.401	
1.1.41) Rudder Attachment Reliability Improvement - NonOrganic	- / -	66 / 0.891	66 / 0.891	66 / 0.908	- / -	66 / 0.908	42 / 0.589	- / -	- / -	- / -	- / -	240 / 3.279	
1.1.42) Nose Landing Gear Door Mechanism - NonOrganic	- / -	- / -	48 / 0.307	48 / 0.313	- / -	48 / 0.313	9 / 0.061	- / -	- / -	- / -	- / -	105 / 0.681	
1.1.43) Drive Link/Prop Rotor Hub Spring Change - NonOrganic	- / -	- / -	40 / 8.000	20 / 4.076	- / -	20 / 4.076	20 / 4.153	20 / 4.232	30 / 6.469	20 / 4.395	190 / 42.543	340 / 73.868	
1.1.44) O2 Guage - Organic	- / -	- / -	75 / 0.083	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	75 / 0.083	
1.1.45) Threaded Bushing Improvements - Organic	- / -	- / -	576 / 0.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	576 / 0.230	
1.1.46) Life Limited Airframe Corrections - NonOrganic	- / -	- / -	- / -	6 / 0.108	- / -	6 / 0.108	33 / 0.605	45 / 0.841	32 / 0.609	20 / 0.388	91 / 1.800	227 / 4.351	
1.1.47) Application of Cor-Ban 35 Corrosion - Organic	- / -	- / -	- / -	20 / 0.500	- / -	20 / 0.500	33 / 0.841	45 / 1.168	20 / 0.529	37 / 0.997	69 / 1.895	224 / 5.930	
1.1.48) CFG TAGB Adapter Flange - Organic	- / -	114 / 0.125	85 / 0.094	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	199 / 0.219	
1.1.49) AC Bus Tie Circuit Reliability Improvement - NonOrganic	- / -	88 / 0.345	88 / 0.345	40 / 0.160	- / -	40 / 0.160	96 / 0.391	109 / 0.452	- / -	- / -	- / -	421 / 1.693	
1.1.50) V-22 PRGB Imp Input Quill Wavespring - NonOrganic	- / -	36 / 0.648	36 / 0.648	36 / 0.660	- / -	36 / 0.660	36 / 0.673	36 / 0.686	19 / 0.369	- / -	- / -	199 / 3.684	
1.1.51) Environmental Bus - Organic	- / -	- / -	88 / 0.690	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	88 / 0.690	
1.1.52) SDC Class 2 Force Delta Kits - Organic	- / -	5 / 0.096	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.096	
1.1.53) Avionics Bay Interface Unit/PSIU - Organic	- / -	5 / 0.500	135 / 13.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	140 / 14.000	
1.1.54) EAPS Start Valve Block A/B/C/10 - NonOrganic	- / -	41 / 0.673	41 / 0.673	36 / 0.602	- / -	36 / 0.602	- / -	- / -	- / -	- / -	- / -	118 / 1.948	
1.1.55) EAPS Start Valve Block A/B/C/10 Organic - Organic	- / -	- / -	- / -	- / -	- / -	- / -	36 / 0.614	36 / 0.625	36 / 0.637	48 / 0.866	- / -	156 / 2.742	
1.1.56) APX-123 - NonOrganic	- / -	28 / 0.031	34 / 0.038	37 / 0.042	- / -	37 / 0.042	36 / 0.041	36 / 0.043	11 / 0.013	- / -	- / -	182 / 0.208	
1.1.57) VFG GCU Redesign - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 3.900	100 / 3.974	83 / 3.361	- / -	283 / 11.235	

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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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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>
1.1.58) VSLED Vibration Transducers and Pads - Organic	- / -	- / -	- / -	197 / 0.020	- / -	197 / 0.020	27 / 0.003	- / -	- / -	- / -	- / -	- / -	224 / 0.023
1.1.59) Stand by Flight Display - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	45 / 1.125	45 / 1.147	45 / 1.169	45 / 1.190	45 / 1.213	225 / 5.844	
1.1.60) MCOI Retrofit - NonOrganic	- / -	- / -	- / -	23 / 8.786	- / -	23 / 8.786	29 / 11.288	30 / 11.900	29 / 11.722	33 / 13.592	76 / 31.897	220 / 89.185	
<i>Subtotal: Recurring</i>	- / 27.118	- / 25.994	- / 50.638	- / 32.229	- / -	- / 32.229	- / 47.304	- / 64.949	- / 67.510	- / 69.063	- / 451.982	- / 836.787	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽¹⁰⁾	- / 0.012	- / 1.500	- / 0.480	- / 1.000	- / -	- / 1.000	- / 1.024	- / 1.043	- / 1.063	- / 1.083	- / 2.700	- / 9.905	
<i>Subtotal: Non-Recurring</i>	- / 0.012	- / 1.500	- / 0.480	- / 1.000	- / -	- / 1.000	- / 1.024	- / 1.043	- / 1.063	- / 1.083	- / 2.700	- / 9.905	
<i>Subtotal: MV-22 Readiness (OSIP 028-12)</i>	1,086 / 27.130	916 / 27.494	2,055 / 51.118	1,348 / 33.229	- / -	1,348 / 33.229	1,408 / 48.328	1,568 / 65.992	1,085 / 68.573	872 / 70.146	2,956 / 454.682	13,294 / 846.692	
<i>Subtotal: Procurement, All Modification Items</i>	- / 27.130	- / 27.494	- / 51.118	- / 33.229	- / -	- / 33.229	- / 48.328	- / 65.992	- / 68.573	- / 70.146	- / 454.682	- / 846.692	
Support (All Modification Items)													
3.1) Software Modifications ⁽¹¹⁾	- / -	- / -	- / -	- / 0.940	- / -	- / 0.940	- / 0.959	- / 0.978	- / 1.000	- / 1.010	- / 5.050	- / 9.937	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Data	- / 0.265	- / 0.443	- / 0.237	- / 0.252	- / -	- / 0.252	- / 0.255	- / 0.262	- / 0.262	- / 0.272	- / 0.579	- / 2.827	
3.4) Training Equipment ⁽¹²⁾	- / -	- / -	- / 0.557	- / 0.489	- / -	- / 0.489	- / 0.062	- / 3.123	- / 0.268	- / 0.227	- / -	- / 4.726	
3.5) Support Equipment	- / -	- / -	- / 0.431	- / 0.439	- / -	- / 0.439	- / 0.148	- / 0.258	- / 0.300	- / 0.306	- / -	- / 1.882	
3.6) ILS ⁽¹³⁾	- / -	- / -	- / -	- / 0.485	- / -	- / 0.485	- / 0.494	- / 0.505	- / 0.515	- / 0.523	- / 2.750	- / 5.272	
3.7) Other Support	- / 2.160	- / 3.273	- / 3.484	- / 3.584	- / -	- / 3.584	- / 3.632	- / 3.819	- / 4.034	- / 4.297	- / 23.500	- / 51.783	
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 2.425	- / 3.716	- / 4.709	- / 6.189	- / -	- / 6.189	- / 5.550	- / 8.945	- / 6.379	- / 6.635	- / 31.879	- / 76.427	
Installation													
Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)	- / 0.000	- / 2.715	- / 7.037	- / 9.965	- / -	- / 9.965	- / 13.227	- / 15.772	- / 14.872	- / 11.825	- / 56.343	- / 131.756	
<i>Subtotal: Installation</i>	- / 0.000	- / 2.715	- / 7.037	- / 9.965	- / -	- / 9.965	- / 13.227	- / 15.772	- / 14.872	- / 11.825	- / 56.343	- / 131.756	
Total													
Total Cost (Procurement + Support + Installation)	29.555	33.925	62.864	49.383	-	49.383	67.105	90.709	89.824	88.606	542.904	1,054.875	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: 13 Wiring Harness				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 9				Production Leadtime (<i>in Months</i>): 4			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jun 2013	Jun 2014					
Delivery Dates	Oct 2013	Oct 2014					
Manufacturer Name: Swashplate Actuator				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 10				Production Leadtime (<i>in Months</i>): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jul 2013	Jul 2014	Jul 2015	Jul 2016	Jul 2017	Jul 2018	
Delivery Dates	Oct 2013	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018	
Manufacturer Name: Drive Tube				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 2				Production Leadtime (<i>in Months</i>): 1			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018
Delivery Dates		Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018
Manufacturer Name: Prop Rotor Coating HONTEK				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 11				Production Leadtime (<i>in Months</i>): 2			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Aug 2013	Aug 2014	Aug 2015				
Delivery Dates	Oct 2013	Oct 2014	Oct 2015				
Manufacturer Name: Gimbal Assembly Part 2				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 9				Production Leadtime (<i>in Months</i>): 4			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jun 2013	Jun 2014	Jun 2015	Jun 2016	Jun 2017	Jun 2018	
Delivery Dates	Oct 2013	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018	
Manufacturer Name: Upper and Lower Rod Ends				Manufacturer Location: >N/A			
Administrative Leadtime (<i>in Months</i>): 10				Production Leadtime (<i>in Months</i>): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jul 2013	Jul 2014	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018

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Exhibit P-3a, Individual Modification: PB 2015 Navy						Date: March 2014	
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Delivery Dates	Oct 2013	Sep 2014	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018
Manufacturer Name: Windshield Kits				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 1			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018
Delivery Dates		Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018
Manufacturer Name: IRS Redesign				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 9			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates					Jan 2017	Jan 2018	Jan 2019
Delivery Dates					Oct 2017	Oct 2018	Oct 2019
Manufacturer Name: Digital Interoperability				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates					Mar 2017	Mar 2018	Mar 2019
Delivery Dates					Oct 2017	Oct 2018	Apr 2019
Manufacturer Name: VSLED/DSIU/FMU Reliability Improvements				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 10				Production Leadtime (in Months): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jul 2013						
Delivery Dates	Oct 2013						
Manufacturer Name: IPS (CDD)				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 13			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Oct 2012	Oct 2013	Oct 2014	Oct 2015	Oct 2016	Oct 2017	
Delivery Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018	
Manufacturer Name: IPS (CDD/NIPCU)				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 10				Production Leadtime (in Months): 1			

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Exhibit P-3a, Individual Modification: PB 2015 Navy						Date: March 2014	
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jul 2013						
Delivery Dates	Aug 2013						
Manufacturer Name: PLCU				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 10				Production Leadtime (in Months): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jul 2013						
Delivery Dates	Oct 2013						
Manufacturer Name: Rudder Attachment Reliability Improvement				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 1			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Oct 2012	Oct 2013	Oct 2014	Oct 2015			
Delivery Dates	Nov 2012	Nov 2013	Nov 2014	Nov 2015			
Manufacturer Name: Nose Landing Gear Door Mechanism				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 1			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019
Delivery Dates		Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019
Manufacturer Name: Life Limited Airframe Corrections				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 4			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018
Delivery Dates			Apr 2015	Apr 2016	Apr 2017	Apr 2018	Apr 2019
Manufacturer Name: AC Bus Tie Circuit Reliability Improvement				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 10				Production Leadtime (in Months): 3			

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Exhibit P-3a, Individual Modification: PB 2015 Navy						Date: March 2014	
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)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jul 2013	Jul 2014	Jul 2015	Jul 2016	Jul 2017		
Delivery Dates	Oct 2013	Oct 2014	Oct 2015	Oct 2016	Oct 2017		
Manufacturer Name: V-22 PRGB Imp Input Quill Wavespring				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 10				Production Leadtime (in Months): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jul 2013	Jul 2014	Jul 2015	Jul 2016	Jul 2017	Jul 2018	
Delivery Dates	Oct 2013	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018	
Manufacturer Name: EAPS Start Valve Block A/B/C				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jan 2013	Jan 2014	Jan 2015				
Delivery Dates	Apr 2013	Apr 2014	Apr 2015				
Manufacturer Name: APX-123				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 5				Production Leadtime (in Months): 2			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Feb 2013	Feb 2014	Feb 2015	Feb 2016	Feb 2017	Feb 2018	
Delivery Dates	Apr 2013	Apr 2014	Apr 2015	Apr 2016	Apr 2017	Apr 2018	
Manufacturer Name: Stand by Flight Display				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates				Mar 2016	Mar 2017	Mar 2018	Mar 2019
Delivery Dates				Oct 2016	Oct 2017	Oct 2018	Oct 2019
Manufacturer Name: MCOI Retrofit				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 10			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018
Delivery Dates			Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019
Manufacturer Name: Gimbal Assembly Part 1				Manufacturer Location: >N/A			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 3			

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jan 2013						
Delivery Dates	Apr 2013						

Installation Information

Method of Implementation: Contractor Drive-In Modification : Installation Name: 13 Wiring Harness

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 0.385
FY 2013	- / -	- / -	12 / 0.265	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.265
FY 2014	- / -	- / -	- / -	43 / 0.209	- / -	43 / 0.209	- / -	- / -	- / -	- / -	- / -	43 / 0.209
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	51 / 0.385	12 / 0.265	43 / 0.209	- / -	43 / 0.209	- / -	- / -	- / -	- / -	- / -	106 / 0.859

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	13	13	13	3	3	3	3	10	11	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106
Out	-	12	13	13	13	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	48 / 0.168	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.168
FY 2014	- / -	- / -	- / -	48 / 0.171	- / -	48 / 0.171	- / -	- / -	- / -	- / -	- / -	48 / 0.171

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Drive-In Modification : Installation Name: Swashplate Actuator

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 / 0.174	- / -	- / -	- / -	- / -	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	48 / 0.168	48 / 0.171	- / -	48 / 0.171	48 / 0.174	48 / 0.178	51 / 0.192	35 / 0.135	- / -	278 / 1.018

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	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	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	29 / 0.290	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.290
FY 2015	- / -	- / -	- / -	29 / 0.296	- / -	29 / 0.296	- / -	- / -	- / -	- / -	- / -	29 / 0.296
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	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
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 0.551	46 / 0.551
Total	- / -	- / -	29 / 0.290	29 / 0.296	- / -	29 / 0.296	29 / 0.301	29 / 0.307	29 / 0.334	29 / 0.341	46 / 0.551	220 / 2.420

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Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
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)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Contractor Drive-In Modification : Installation Name: Drive Tube																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	46	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	46	220
Method of Implementation: Contractor Drive-In Modification : Installation Name: Prop Rotor Coating HONTEK																															
Installation Cost						Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total														
						Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013						- / -	- / -	220 / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	220 / 2.200														
FY 2014						- / -	- / -	- / -	220 / 2.242	- / -	220 / 2.242	- / -	- / -	- / -	- / -	- / -	220 / 2.242														
FY 2015						- / -	- / -	- / -	- / -	- / -	- / -	60 / 0.623	- / -	- / -	- / -	- / -	60 / 0.623														
FY 2016						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -														
FY 2017						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -														
FY 2018						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -														
FY 2019						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -														
To Complete						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -														
Total						- / -	- / -	220 / 2.200	220 / 2.242	- / -	220 / 2.242	60 / 0.623	- / -	- / -	- / -	- / -	500 / 5.065														
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	55	55	55	55	55	55	55	15	15	15	15	-	-	-	-	-	-	-	-	-	-	-	-	500	
Out	-	-	-	-	-	55	55	55	55	55	55	55	55	15	15	15	15	-	-	-	-	-	-	-	-	-	-	-	-	500	
Method of Implementation: [none specified] : Installation Name: Gimbal Assembly Part 1																															
Installation Cost						Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total														
						Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: Gimbal Assembly Part 1

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	8 / 0.145	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.145
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	8 / 0.145	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.145

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Out	-	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8

Method of Implementation: Contractor Drive-In Modification : Installation Name: Gimbal Assembly Part 2

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	33 / 0.388	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 0.388
FY 2014	- / -	- / -	- / -	39 / 1.714	- / -	39 / 1.714	- / -	- / -	- / -	- / -	- / -	39 / 1.714
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	33 / 0.388	39 / 1.714	- / -	39 / 1.714	48 / 2.150	48 / 2.190	52 / 2.418	38 / 1.801	- / -	258 / 10.661

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014								
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)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Contractor Drive-In Modification : Installation Name: Gimbal Assembly Part 2																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	-	-	-	-	-	8	8	8	9	9	10	10	10	12	12	12	12	12	12	12	12	13	13	13	13	10	10	9	9	-	258
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	-	258
Method of Implementation: Contractor Drive-In Modification : Installation Name: Upper and Lower Rod Ends																															
Installation Cost						Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total			
						Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013						- / -		- / -		29 / 0.145		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		29 / 0.145	
FY 2014						- / -		- / -		10 / 0.050		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / 0.050	
FY 2015						- / -		- / -		- / -		10 / 0.051		- / -		10 / 0.051		- / -		- / -		- / -		- / -		- / -		- / -		10 / 0.051	
FY 2016						- / -		- / -		- / -		- / -		- / -		- / -		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	
To Complete						- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		146 / 0.817		146 / 0.817		146 / 0.817	
Total						- / -		- / -		39 / 0.195		10 / 0.051		- / -		10 / 0.051		29 / 0.151		29 / 0.153		29 / 0.156		29 / 0.159		146 / 0.817		311 / 1.682			
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	-	-	-	-	-	9	9	10	11	2	2	3	3	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	146	311
Out	-	-	-	-	-	9	9	10	11	2	2	3	3	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	146	311
Method of Implementation: Contractor Drive-In Modification : Installation Name: Windshield Kits																															
Installation Cost						Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total			
						Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Drive-In Modification : Installation Name: Windshield Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	9 / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.050
FY 2015	- / -	- / -	- / -	36 / 0.202	- / -	36 / 0.202	- / -	- / -	- / -	- / -	- / -	36 / 0.202
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	36 / 0.206	- / -	- / -	- / -	- / -	36 / 0.206
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	37 / 0.215	- / -	- / -	- / -	37 / 0.215
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 0.213	- / -	- / -	36 / 0.213
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 0.205	- / -	34 / 0.205
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	67 / 0.413	67 / 0.413
Total	- / -	- / -	9 / 0.050	36 / 0.202	- / -	36 / 0.202	36 / 0.206	37 / 0.215	36 / 0.213	34 / 0.205	67 / 0.413	255 / 1.504

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	9	9	9	9	9	9	9	9	9	9	10	9	9	9	9	9	9	8	8	67	255	
Out	-	-	-	-	-	2	2	2	3	9	9	9	9	9	9	9	9	9	9	10	9	9	9	9	9	9	8	8	67	255	

Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: IRS Redesign

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
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 / 0.390	26 / 0.390
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	432 / 6.392	432 / 6.392
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.140	25 / 0.357	458 / 6.782	493 / 7.279

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
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)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: IRS Redesign																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	458	493
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	3	6	6	6	7	458	493
Method of Implementation: Navy and Contractor Field Modification : Installation Name: Digital Interoperability																															
Installation Cost						Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total														
						Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -														
FY 2014						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -														
FY 2015						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -														
FY 2016						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -														
FY 2017						- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.960	- / -	- / -	24 / 0.960															
FY 2018						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 1.141	- / -	28 / 1.141														
FY 2019						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 2.100	- / -	50 / 2.100														
To Complete						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	248 / 10.443	- / -	248 / 10.443														
Total						- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.960	28 / 1.141	298 / 12.543	350 / 14.644														
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	298	350	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	7	7	7	7	298	350	
Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: VSLED/DSIU/FMU Reliability Improvement																															
Installation Cost						Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total														
						Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: VSLED/DSIU/FMU Reliability Improvement

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	5 / 0.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.250
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	5 / 0.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.250

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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: Contractor Field Modification : Installation Name: IPS (CDD)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 0.189
FY 2013	- / -	- / -	30 / 0.164	22 / 0.124	- / -	22 / 0.124	- / -	- / -	- / -	- / -	- / -	52 / 0.288
FY 2014	- / -	- / -	- / -	12 / 0.072	- / -	12 / 0.072	- / -	- / -	- / -	- / -	- / -	12 / 0.072
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.173	- / -	- / -	- / -	- / -	6 / 0.173
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.059	- / -	- / -	- / -	2 / 0.059
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.180	- / -	- / -	6 / 0.180
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.122	- / -	4 / 0.122
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	39 / 0.189	30 / 0.164	34 / 0.196	- / -	34 / 0.196	6 / 0.173	2 / 0.059	6 / 0.180	4 / 0.122	- / -	121 / 1.083

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Modification : Installation Name: IPS (CDD)

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	10	10	9	7	7	8	8	9	9	8	8	1	1	2	2	1	1	-	-	1	1	2	2	1	1	1	1	-	121
Out	-	10	10	10	9	7	7	8	8	9	9	8	8	1	1	2	2	1	1	-	-	1	1	2	2	1	1	1	1	-	121

Method of Implementation: Contractor Field Modification : Installation Name: IPS (CDD/NIPCU)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	34 / 0.218	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 0.218
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	34 / 0.218	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 0.218

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34		
Out	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34		

Method of Implementation: Contractor Field Modification : Installation Name: PLCU Retrofit

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	234 / 0.194	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	234 / 0.194

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Modification : Installation Name: PLCU Retrofit

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	6 / 0.006	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.006
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	240 / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	240 / 0.200

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	66 / 0.330	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	66 / 0.330
FY 2014	- / -	- / -	66 / 0.330	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	66 / 0.330
FY 2015	- / -	- / -	- / -	66 / 0.336	- / -	66 / 0.336	- / -	- / -	- / -	- / -	- / -	66 / 0.336
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	42 / 0.218	- / -	- / -	- / -	- / -	42 / 0.218
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	66 / 0.330	66 / 0.330	66 / 0.336	- / -	66 / 0.336	42 / 0.218	- / -	- / -	- / -	- / -	240 / 1.214

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Drive-In Modification : Installation Name: Rudder Attachment Reliability Improvement

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	16	16	17	17	10	10	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	240
Out	-	16	16	17	17	16	16	17	17	16	16	17	17	10	10	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	240

Method of Implementation: Contractor Drive-In Modification : Installation Name: Nose Landing Gear Door Mechanism

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	48 / 0.297	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.297
FY 2015	- / -	- / -	- / -	48 / 0.303	- / -	48 / 0.303	- / -	- / -	- / -	- / -	- / -	48 / 0.303
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.109	- / -	- / -	- / -	- / -	9 / 0.109
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	48 / 0.297	48 / 0.303	- / -	48 / 0.303	9 / 0.109	- / -	- / -	- / -	- / -	105 / 0.709

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Drive-In Modification : Installation Name: Drive Link/Prop Rotor Hub Spring Change

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	40 / 1.040	- / -	40 / 1.040	- / -	- / -	- / -	- / -	- / -	40 / 1.040
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	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 / 1.140	20 / 1.140
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	190 / 9.715	190 / 9.715
Total	- / -	- / -	- / -	40 / 1.040	- / -	40 / 1.040	20 / 1.060	20 / 1.080	20 / 1.100	30 / 1.682	210 / 10.855	340 / 16.817

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	10	10	10	5	5	5	5	5	5	5	5	5	5	5	5	7	7	8	8	210	340
Out	-	-	-	-	-	-	-	-	-	10	10	10	10	5	5	5	5	5	5	5	5	5	5	5	5	7	7	8	8	210	340

Method of Implementation: Contractor Drive-In Modification : Installation Name: Life Limited Airframe Corrections

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	6 / 1.080	- / -	6 / 1.080	- / -	- / -	- / -	- / -	- / -	6 / 1.080
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	33 / 6.053	- / -	- / -	- / -	- / -	33 / 6.053
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 8.411	- / -	- / -	- / -	45 / 8.411
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 6.095	- / -	- / -	32 / 6.095
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 3.881	- / -	20 / 3.881
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	91 / 17.996	91 / 17.996
Total	- / -	- / -	- / -	6 / 1.080	- / -	6 / 1.080	33 / 6.053	45 / 8.411	32 / 6.095	20 / 3.881	91 / 17.996	227 / 43.516

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
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)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Contractor Drive-In Modification : Installation Name: Life Limited Airframe Corrections																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	17	16	-	-	22	23	-	-	16	16	-	-	10	10	91	227
Out	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-	17	16	-	-	22	23	-	-	16	16	-	-	10	10	91	227
Method of Implementation: Contractor Field Modification : Installation Name: AC Bus Tie Circuit Reliability Improvement																															
Installation Cost						Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total			
						Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013						- / -		- / -		88 / 0.605		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		88 / 0.605	
FY 2014						- / -		- / -		- / -		88 / 0.616		- / -		88 / 0.616		- / -		- / -		- / -		- / -		- / -		- / -		88 / 0.616	
FY 2015						- / -		- / -		- / -		- / -		- / -		- / -		40 / 0.286		- / -		- / -		- / -		- / -		- / -		40 / 0.286	
FY 2016						- / -		- / -		- / -		- / -		- / -		- / -		- / -		96 / 0.698		- / -		- / -		- / -		- / -		96 / 0.698	
FY 2017						- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		109 / 0.808		- / -		- / -		- / -		109 / 0.808	
FY 2018						- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	
FY 2019						- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	
To Complete						- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -	
Total						- / -		- / -		88 / 0.605		88 / 0.616		- / -		88 / 0.616		40 / 0.286		96 / 0.698		109 / 0.808		- / -		- / -		- / -		421 / 3.013	
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	22	22	22	22	22	22	22	22	10	10	10	10	24	24	24	24	27	27	28	27	-	-	-	-	-	421
Out	-	-	-	-	-	22	22	22	22	22	22	22	22	10	10	10	10	24	24	24	24	27	27	28	27	-	-	-	-	-	421
Method of Implementation: Contractor Standard Depot Level Maintenance : Installation Name: V-22 PRGB Imp Input Quill Wavesprin																															
Installation Cost						Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total			
						Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Standard Depot Level Maintenance : Installation Name: V-22 PRGB Imp Input Quill Wavesprin

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	36 / 0.183	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 0.183
FY 2014	- / -	- / -	- / -	36 / 0.269	- / -	36 / 0.269	- / -	- / -	- / -	- / -	- / -	36 / 0.269
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	36 / 0.274	- / -	- / -	- / -	- / -	36 / 0.274
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 0.279	- / -	- / -	- / -	36 / 0.279
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 0.284	- / -	- / -	36 / 0.284
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 0.153	- / -	19 / 0.153
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	36 / 0.183	36 / 0.269	- / -	36 / 0.269	36 / 0.274	36 / 0.279	36 / 0.284	19 / 0.153	- / -	199 / 1.442

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	9	9	9	9	9	9	9	5	5	5	4	-	199	
Out	-	-	-	-	-	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	5	5	5	4	-	199	

Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: EAPS Start Valve Block A/B/C/10

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	41 / 1.138	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 1.138
FY 2014	- / -	- / -	41 / 1.075	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 1.075
FY 2015	- / -	- / -	- / -	36 / 0.822	- / -	36 / 0.822	- / -	- / -	- / -	- / -	- / -	36 / 0.822
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	41 / 1.138	41 / 1.075	36 / 0.822	- / -	36 / 0.822	- / -	- / -	- / -	- / -	- / -	118 / 3.035

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: EAPS Start Valve Block A/B/C/10

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	21	-	-	20	21	-	-	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	118
Out	-	-	-	20	21	-	-	20	21	-	-	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	118

Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: APX-123

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	28 / 0.310	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.310
FY 2014	- / -	- / -	34 / 0.377	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 0.377
FY 2015	- / -	- / -	- / -	37 / 0.418	- / -	37 / 0.418	- / -	- / -	- / -	- / -	- / -	37 / 0.418
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	36 / 0.414	- / -	- / -	- / -	- / -	36 / 0.414
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 0.422	- / -	- / -	- / -	36 / 0.422
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.131	- / -	- / -	11 / 0.131
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	28 / 0.310	34 / 0.377	37 / 0.418	- / -	37 / 0.418	36 / 0.414	36 / 0.422	11 / 0.131	- / -	- / -	182 / 2.072

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	17	17	-	-	18	19	-	-	18	18	-	-	18	18	-	-	5	6	-	-	-	-	-	182
Out	-	-	-	14	14	-	-	17	17	-	-	18	19	-	-	18	18	-	-	18	18	-	-	5	6	-	-	-	-	-	182

Method of Implementation: Contractor Field Modification : Installation Name: Stand by Flight Display

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2015 Navy		Date: March 2014
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)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Modification : Installation Name: Stand by Flight Display

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 0.450	- / -	- / -	- / -	45 / 0.450
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 0.459	- / -	- / -	45 / 0.459
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 0.467	- / -	45 / 0.467
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 0.467	45 / 0.467
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 0.485	45 / 0.485
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 0.450	45 / 0.459	45 / 0.467	90 / 0.952	225 / 2.328

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	23 / 1.035	- / -	- / -	- / -	- / -	23 / 1.035
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 1.330	- / -	- / -	- / -	29 / 1.330
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 1.402	- / -	- / -	30 / 1.402
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 1.381	- / -	29 / 1.381
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 1.617	33 / 1.617
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 3.817	76 / 3.817
Total	- / -	- / -	- / -	- / -	- / -	- / -	23 / 1.035	29 / 1.330	30 / 1.402	29 / 1.381	109 / 5.434	220 / 10.582

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014								
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)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Contractor Forced Retrofit of Components : Installation Name: MCOI Retrofit																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	7	7	8	8	7	7	7	8	109	220
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	6	6	7	7	7	8	7	7	8	8	7	7	7	8	109	220
Method of Implementation (Organic): Organic - LRSV Pressure Switch																							Installation Quantity: 50								
Method of Implementation (Organic): Organic - Improved Slip Ring Assembly																							Installation Quantity: 41								
Method of Implementation (Organic): Organic - Conversion Area Harnesses																							Installation Quantity: 61								
Method of Implementation (Organic): Organic - Anti-Drive Joint																							Installation Quantity: 32								
Method of Implementation (Organic): Organic - STA 400 Air Baffle Cracking																							Installation Quantity: 29								
Method of Implementation (Organic): Organic - Nacelle STA 400 Air Baffle Cracking																							Installation Quantity: 60								
Method of Implementation (Organic): Organic - Diverter Valve Integration																							Installation Quantity: 178								
Method of Implementation (Organic): Organic - APU-105																							Installation Quantity: 27								
Method of Implementation (Organic): Organic - APU Clutch Servo																							Installation Quantity: 393								
Method of Implementation (Organic): Organic - APU Impeller Durability																							Installation Quantity: 24								
Method of Implementation (Organic): Organic - Digital Interoperability GFE																							Installation Quantity: 350								

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - IPS (CDD/NIPCU) Organic		Installation Quantity: 18
Method of Implementation (Organic): Organic - Pressure Shut Off Valve		Installation Quantity: 135
Method of Implementation (Organic): Organic - Sponson Refuel-Defuel Valve		Installation Quantity: 80
Method of Implementation (Organic): Organic - Measured Gas Temperature Index		Installation Quantity: 164
Method of Implementation (Organic): Organic - Nacelle Wiring OCO		Installation Quantity: 20
Method of Implementation (Organic): Organic - SDC Impeller		Installation Quantity: 156
Method of Implementation (Organic): Organic - Wing Aux Tank Refuel-Defuel Valve		Installation Quantity: 10
Method of Implementation (Organic): Organic - Nacelle Door Hook Latch		Installation Quantity: 75
Method of Implementation (Organic): Organic - Nacelle Heat Exchanger		Installation Quantity: 137
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

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)		
Modification Item MDAP/MAIS Code:		
Installation Information		
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 - Application of Cor-Ban 35 Corrosion		Installation Quantity: 224
Method of Implementation (Organic): Organic - CFG TAGB Adapter Flange		Installation Quantity: 199
Method of Implementation (Organic): Organic - Environmental Bus		Installation Quantity: 88
Method of Implementation (Organic): Organic - SDC Class 2 Force Delta Kits		Installation Quantity: 5
Method of Implementation (Organic): Organic - Avionics Bay Interface Unit/PSIU		Installation Quantity: 140
Method of Implementation (Organic): Organic - EAPS Start Valve Block A/B/C/10 Organic		Installation Quantity: 156
Method of Implementation (Organic): Organic - VFG GCU Redesign		Installation Quantity: 283
Method of Implementation (Organic): Organic - VSLED Vibration Transducers and Pads		Installation Quantity: 224
Footnotes: ⁽⁸⁾ Gimbal Assembly is a 2 part ECP. It has now been broken out into Part 1 and Part 2 in the budget exhibit. ⁽⁹⁾ Nacelle Heat Exchanger accelerated due to fleet requirement to start this ECP. ⁽¹⁰⁾ Install Kit N/R growth in FY15 due to modifications that have no production effectivity (no effect to production aircraft). Cost growth due to additional retrofit only mods. ⁽¹¹⁾ Software modifications needed to incorporate ECP changes in order to improve readiness. ⁽¹²⁾ Training Equipment: The increase from FY16 to FY17 is due to the Block C modification of training simulators and maintenance trainers. ⁽¹³⁾ ILS growth in FY15 due to ECPs/modifications that have no production effectivity (no effect to production aircraft). Cost growth due to additional retrofit only mods.		

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy **Date:** March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	111.158	285.968	-	285.968	278.596	173.231	178.035	181.759	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	111.158	285.968	-	285.968	278.596	173.231	178.035	181.759	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	111.158	285.968	-	285.968	278.596	173.231	178.035	181.759	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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 requested modification funding 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. The focus of the modification funding requested in the 2015 President's Budget is the first (concurrency) and second (Block 3i) efforts.

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, concurrency phases out with the completion of SDD in the FY18 timeframe. Block 3i DT&E full Certification is planned by 2nd Qtr FY15, and Block 3F DT&E full Certification is planned by 3rd Qtr FY17.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																	Date: March 2014				
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		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / F-35 STOVL BLOCK 3i LRIP 2-5 UPGRADE (OSIP 015-14)	P-3a		-	-	0.000	-	-	-	-	-	38.123	-	-	80.461	-	-	-	-	-	80.461	
P-3a - 2 / F-35 STOVL CONCURRENCY (OSIP 023-14)	P-3a		-	-	0.000	-	-	-	-	-	73.035	-	-	205.507	-	-	-	-	-	205.507	
P-3a - 3 / F-35 STOVL BLOCK 3F LRIP 2-5 UPGRADE (OSIP 005-16)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P-3a - 4 / F-35 STOVL BLOCK 3F LRIP 6-8 UPGRADE (OSIP 004-18)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	111.158	-	-	285.968	-	-	-	-	-	285.968	
Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / F-35 STOVL BLOCK 3i LRIP 2-5 UPGRADE (OSIP 015-14)	P-3a		-	-	64.692	-	-	8.097	-	-	2.588	-	-	0.236	-	-	-	-	-	194.197	
P-3a - 2 / F-35 STOVL CONCURRENCY (OSIP 023-14)	P-3a		-	-	208.874	-	-	165.032	-	-	172.948	-	-	181.472	Continuing			Continuing			
P-3a - 3 / F-35 STOVL BLOCK 3F LRIP 2-5 UPGRADE (OSIP 005-16)	P-3a		-	-	5.030	-	-	0.102	-	-	1.581	-	-	0.051	-	-	-	-	-	6.764	
P-3a - 4 / F-35 STOVL BLOCK 3F LRIP 6-8 UPGRADE (OSIP 004-18)	P-3a		-	-	-	-	-	-	-	-	0.918	-	-	-	-	-	-	-	0.918		
Total Gross/Weapon System Cost			-	-	278.596	-	-	173.231	-	-	178.035	-	-	181.759	Continuing			Continuing			
*For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: Basis for FY 2015 budget request: FY 2015 funding is requested for upgrades to 14 LRIP 2-5 JSF STOVLs to Block 3i configuration and associated support costs and for the highest priority concurrency modifications to support USMC Block 2B, USMC IOC and Iwakuni deployments.																					

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	38.123	80.461	-	80.461	64.692	8.097	2.588	0.236	-	194.197
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	38.123	80.461	-	80.461	64.692	8.097	2.588	0.236	-	194.197
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	38.123	80.461	-	80.461	64.692	8.097	2.588	0.236	-	194.197

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 a 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.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3i DT&E full Certification is planned to occur by 2nd Qtr FY15. Modification kits will be procured based on flight test results.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 / 65.846	- / -	14 / 65.846	11 / 53.288	1 / 4.900	- / -	- / -	- / -	32 / 148.248
Subtotal: Recurring	- / 0.000	- / -	- / 24.214	- / 65.846	- / -	- / 65.846	- / 53.288	- / 4.900	- / -	- / -	- / -	- / 148.248
Subtotal: F-35 STOVL BLOCK 3i LRIP 2-5 UPGRADE (OSIP 015-14)	- / -	- / -	6 / 24.214	14 / 65.846	- / -	14 / 65.846	11 / 53.288	1 / 4.900	- / -	- / -	- / -	32 / 148.248
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 24.214	- / 65.846	- / -	- / 65.846	- / 53.288	- / 4.900	- / -	- / -	- / -	- / 148.248
Support (All Modification Items)												
2.1) ILS	- / -	- / -	- / 9.360	- / 1.986	- / -	- / 1.986	- / 2.046	- / -	- / -	- / -	- / -	- / 13.392
2.2) Other Support	- / -	- / -	- / -	- / 7.944	- / -	- / 7.944	- / 8.182	- / -	- / -	- / -	- / -	- / 16.126
2.3) Training Equipment	- / -	- / -	- / 4.549	- / 4.685	- / -	- / 4.685	- / -	- / -	- / -	- / -	- / -	- / 9.234
Subtotal: Support	- / 0.000	- / -	- / 13.909	- / 14.615	- / -	- / 14.615	- / 10.228	- / -	- / -	- / -	- / -	- / 38.752
Installation												
Modification Item 1 of 1: F-35 STOVL BLOCK 3i LRIP 2-5 UPGRADE (OSIP 015-14)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.176	- / 3.197	- / 2.588	- / 0.236	- / -	- / 7.197
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.176	- / 3.197	- / 2.588	- / 0.236	- / -	- / 7.197
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	38.123	80.461	-	80.461	64.692	8.097	2.588	0.236	-	194.197

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin ⁽¹⁾														Manufacturer Location: >Fort Worth, TX																	
Administrative Leadtime (in Months): 6														Production Leadtime (in Months): 20																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates						Mar 2014				Mar 2015				Mar 2016				Mar 2017													
Delivery Dates						Nov 2015				Nov 2016				Nov 2017				Nov 2018													
Installation Information																															
Method of Implementation: Depot Field Team : Installation Name: Block 3i																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
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		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / -		- / -		- / -		6 / 1.176		14 / 3.197		11 / 2.588		1 / 0.236		- / -		- / -		32 / 7.197					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	2	1	1	4	3	4	3	6	5	-	-	1	-	-	-	-	32
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	1	4	3	4	3	6	5	-	-	1	-	-	-	-	32
Footnotes:																															
⁽¹⁾ Depot Field Team Install																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	73.035	205.507	-	205.507	208.874	165.032	172.948	181.472	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	73.035	205.507	-	205.507	208.874	165.032	172.948	181.472	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	73.035	205.507	-	205.507	208.874	165.032	172.948	181.472	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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 FY15, the highest priority modifications will directly support USMC Block 2B, USMC IOC, and Iwakuni deployments.

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.

Technical Mod Change USMC STOVLs Title

Issue Request Priority Affected

TI-0000-0165 CR-019135B A01 15 High Level Float Valve Thread Locking
 TI-0000-0245 CR-019469C A01 41 LRIP II Antenna Switch Unit (ASU) -0003 Vibration Failures
 TI-0000-0561 CR-019683E A01 22 STOVL FS-496 Bulkhead
 TI-0000-0566 CR-021194 A01 32 STOVL Station 3/9 Aft Pylon Rib
 TI-0000-0559 CR-021194 A01 32 STOVL NLG Drag Brace Fitting
 TI-0000-0558 CR-021194 A01 32 STOVL Fwd Fuselage Keel Beam, RH
 TI-0000-0617 CR-021194 A01 32 STOVL Station 2 Outboard, LH (Force Life Management)
 TI-0000-0544 CR-021194 A01 TBD STOVL Longerons, Support, Mid Fairing LH/RH Life Limit
 TI-0000-0564 CR-021217 A01 32 STOVL Forward Root Rib

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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-0000-0545 CR-021217 A01 25 STOVL Longerons, Support, Mid Fairing, LH/RH TI-0000-0906 CR-TBD A01 TBD Nose Landing Gear Lug Inspection #N/A CR-TBD A01 TBD Vertical Tail 575 fitting #N/A CR-TBD A01 TBD Production Thrust Recovery TI-0000-0375 CR-019979 A02 15 STOVL IRCM Door Hinges #N/A CR-TBD A02 TBD DVP Pressure Snubber (retrofit only) TI-0000-1324 CR-022656 A03 TBD STRUCTURAL CRACKING OF AFT MLG DOOR DRIVE LINK U-JOINT TI-0000-0373 CR-015026B A03 32 AAID Mech Failure Redesign (Hooks) TI-0000-1089 CR-021694 A03 TBD LRIP 3 Aux Air Inlet (AAI) Door Install-IR Not Maintained #N/A CR-022656 A03 TBD Aft Main Landing gear door Cracking TI-0000-0377 CR-021694 A03 35 STOVL Aux Air Inlet Door System Redesign #N/A CR-022936 A03 TBD Bleed Air Leak Detector TI-0000-0781 CR-TBD A03 35 3BSM Door Hinges (Door Flutter) #N/A 11ZZ017 A04 TBD LSFR Lightning Vulnerability (EMI) TI-0000-0488 CR-018545A A04 15 PDC Lightning Compliance TI-0000-0057 CR-019005 A04 18 STOVL GO3 Control Valve TI-0000-0574 CR-023121 A04 41 -0021 EUs Lightning and Short Susceptibility TI-0000-0122 CR-TBD A04 38 28V Charger and Battery Part Number Changes TI-0000-0336 CR-TBD A04 41 PCD Electronics Unit Lightning Failures TI-0000-0385 CR-022826 A04 15 Fuel Pressure/ Vent System Modification (w/ R25 S/W) TI-0000-0866 CR-022737 A05 11 Introduction of 2FCH56775-0023 Ejection Seat (LRIP) TI-0000-0469 CR-TBD A05 35 Life Support System Including SPA TI-0000-1113 CR-TBD A06 TBD ESG Power Connector Rating #N/A CR-TBD A06 TBD EIPS 9V.3C Controller TI-0000-0138 CR-018564B A06 32 Wing Tip Light Improvement (FAA Compliance) TI-0000-1092 CR-022666 A06 TBD Landing Taxi Light Redesign TI-0000-0631 CR-021180 A07 35 Counter Measure Door (Opening Speed) TI-0000-0895 CR-021557A A07 TBD Inability to Arm Stores TI-0000-1000 CR-TBD A07 TBD Inboard Weapon Bay door Flipper Door #N/A 11ZR017 A08 TBD Liftfan Operational Temp Limit TI-0000-0231 CR-019340B A08 35 EU Cooling Orifice Change TI-0000-0516 CR-022972 A08 38 AAR Probe Weak Link Adaptor TI-0000-0191 CR-023047A A08 38 270V BCCU Part Number Changes #N/A CR-TBD A08 TBD LRIP 3 STOVL Signature ATP Issue #N/A CR-TBD A08 TBD STOVL Convergent Liner Redesign #N/A CR-TBD A08 TBD EOTS_Adhesive TI-0000-0897 CR-022058 A08 35 STOVL Roll Control Nozzle Door, LH/RH #N/A 09ZA365 A09 TBD EIPS Harness/ Bracket/ Clamp Durability #N/A 10ZA763 A09 TBD Fan Duct Blocker Tab Seal #N/A 10ZW571 A09 TBD OMC Duct AP60 Insulator Durability TI-0000-1099 CR-TBD A09 TBD ATQA Mounting Bolt Interface TI-0000-0655 CR-014819D A10 35 EODAS Sensors/Brackets #N/A CR-019542 A10 15 Low Band Power Amp Link-16/EMC Update TI-0000-0854 CR-021107 A10 TBD DISPLAY MANAGEMENT COMPUTER - HELMET VIDEO RECORDING		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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-0000-0898 CR-022344 A10 TBD Electronic Warfare Band 3/4 Aperature Narrow Band Null TI-0000-1372 CR-023355 A10 TBD EW Block-2 DRFM Module Firmware Issue TI-PERB-0010 CR-TBD A10 15 Radar Harness Redesign TI-0000-0193 CR-TBD A10 TBD Elec Warfare Gain State Control Logic Error (BSCM) TI-PERB-0102 CR-016633D A11 32 Canopy Actuation System TI-0000-0585 CR-TBD A11 41 OBOGS Low Inlet Pressure Filtering TI-0000-0343 CR-TBD A11 41 PCD Display Unit Qual Failures TI-0000-0908 CR-TBD A11 TBD LRIP2-051 FUEL DUMP TI-0000-0677 CR-013553B B01 6 VT Fairing Seals Redesign TI-0000-0367 CR-014114C B01 TBD ENGINE TRAILER, REMOVAL WITH MAXIMUM CREW OF FOUR TI-0000-0423 CR-016270C B01 25 Engine Bleed Air Ducting Replacement TI-0000-0477 CR-020097A B01 32 Aft EHAS Fasteners TI-0000-0480 CR-TBD B01 35 AESG ICC System Growth #N/A CR-TBD B01 TBD IPP Manifold Plumbing Interface Change TI-0000-0056 CR-019004B B02 12 IPP Door Controller TI-0000-0130 CR-020289A B02 TBD IRCM DOOR EMERGENCY CONTROL VALVE QUALIFICATION FAILURES TI-0000-0575 CR-020289A B02 15 STOVL Emergency Control Valves TI-0000-0709 CR-020675 B02 24 STOVL HT EHA Life Limitation TI-0000-0137 CR-020793 B02 35 Ground Maintenance Motor Pump TI-0000-0135 CR-021459B B02 32 Engine Driven Pump TI-0000-0703 CR-022515A B02 38 Roll Post Door Actuator Life Limitation TI-0000-0064 CR-022872 B02 35 Countermeasures Control Valve TI-0000-0158 CR-022877 B02 35 WBDDS Flexi Cable Assemblies (6) TI-0000-0129 CR-TBD B02 35 MLG Directional Control Valve Qual Failure TI-0000-0913 CR-TBD B02 15 LEFAS Power Drive Unit (PDU) TI-0000-0134 CR-TBD B02 35 Filter Module, Return/Case TI-0000-0780 CR-TBD B02 35 IPP Turbo TI-0000-0405 CR-TBD B02 38 Electrical Distribution Units 1, 2 (Hardware) TI-PERB-0042 CR-TBD B02 13 Return Fuel Cooler HX Coating #N/A CR-TBD B02 TBD MFTV TF3 Sensor Redesign TI-0000-0673 CR-020743 B07 TBD Ordnance Quick Latch System (OQLS)-Clip Lock TI-PERB-0007 CR-TBD B07 15 OBOGS Plenum HEPA Filter Provisioning TI-0000-0264 CR-019516A B08 11 PTMS Controller TI-0000-1060 CR-TBD B08 TBD LRIP 2, 3, and 4 Special Technology MVR TI-0000-0671 CR-TBD B08 35 IFF Transponder Operation During Emergency Conditions #N/A 11ZR015 B09 TBD 3BSM Vent Ring Life redesign TI-0000-0027 CR-018524A B09 15 STOVL IPP Exhaust Redesign TI-0000-0045 CR-019003 B09 15 CTOL-STOVL MLG WOW Bracket & Drag Brace Harness TI-0000-0769 CR-022314 B09 41 STOVL LFE Door open Sensor #N/A CR-021233 B09 TBD Canopy Sling SE Redesign #N/A CR-021381 B09 TBD Modification of Support Equipment Bead Breaker Adapter (J13033) #N/A CR-021505 B09 TBD Modification of SE Containers #N/A CR-022299 B09 TBD SE Outboard Wing Sling Interface (J11009C) TI-0000-0055 CR-TBD B09 15 IPP Bay Vent Fan Electrical Bond		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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)
#N/A CR-TBD B09 TBD IPP System Wear Solution (FDHX Durability Improvement) TI-0000-0910 CR-021395 B10 TBD Panoramic Cockpit Display Electronics Unit Cooling TI-0000-0339 CR-022975 B10 TBD HMD AUTO NOISE REDUCTION ISSUES TI-0000-0396 CR-014289C B11 32 STOVL WBDDS ECU (CTOL is MVR-28) TI-0000-1101 CR-022647A B11 TBD GMMP Controller EEE Outage #N/A CR-TBD B11 TBD STOVL High Sea State Stowage TI-PERB-0083 CR-014917F C02 6 CTOL/STOVL EHAS/LEFAS -0011 EU & Rack Config Update TI-0000-0031 CR-018835AB C02 13 NLG Nose Wheel Steering Motor TI-0000-0412 CR-020680B C02 32 Wing Lighting Controller Salt Fog Failure TI-0000-1097 CR-TBD C02 TBD Ball Joint Salt Fog Failure TI-0000-0263 CR-TBD C02 5 Power Panel 1/2/3 Change TI-PERB-0057 CR-TBD C02 6 Nacelle Fan - Full Qualified Configuration TI-PERB-0097 CR-TBD C04 6 IEU Lightning Compliance TI-0000-0058 CR-018274 C08 9 Back-up Radio Tray Clearance TI-0000-0098 CR-021388A C08 41 STOVL NLG Droop TI-0000-0098 #N/A CR-021759 C08 TBD Backup Radio Tray Clearance #N/A 11ZR034 C09 TBD 3BSD Life Cycles & Durability TI-0000-0099 CR-017502 C09 TBD WRAP AROUND ADAPTER SET NEW CABLE/ADAPTER REQUIREMENTS TI-0000-0538 CR-020593 C09 32 Flaperon EHA Corrosion TI-0000-0654 CR-020726A C09 32 Inlet Debris Monitoring System (IDMS) REF DES Mismatch #N/A CR-021059 C09 TBD J26007, LF Driveshaft #N/A CR-023102 C09 TBD Lift Fan Actuator (300hrs LL TI-0000-1134 CR-TBD C09 TBD CABIN PRESSURE TESTER TI-0000-0819 CR-TBD C09 TBD LIQUID COOLING SYSTEM CART - FACILITY AC POWER INTERFACE TI-PERB-0085 CR-TBD C09 6 Replacement of Door Actuator Lock Assemblies (STOVL/CTOL Door Locks) TI-0000-0236 CR-TBD C09 15 FPS Fire and Bleed Leak Controller (FBLC) Redesign TI-0000-0658 CR-TBD C10 6 Electronic Warfare Controller Firmware Upgrade TI-PERB-0106 CR-TBD C11 13 WBD Fwd Uplock Roller Bracket TI-0000-0329 CR-TBD D01 15 Griswald Refuel Nozzle Clash (JPO Rejected Perm. MVR) TI-0000-0556 CR-TBD D01 35 STOVL Aft Mid Keel, LH TI-0000-0486 CR-TBD D01 32 STOVL FS 518 Bulkhead, Lower Joint TI-0000-0543 CR-TBD D01 TBD STOVL SHORT LIFE - STAT#2 OUTBD LHS/RHS TI-0000-1102 CR-TBD D01 TBD BH-1 Weapons Bay Doors - AMRAAM Cradle TI-0000-0638 CR-TBD D01 TBD STOVL Short Life Parts: FWD Upper Engine Mount TI-0000-1440 CR-TBD D01 TBD SHORT LIFE - STOVL RHS THRUST MOUNT SHEAR WEBS LIFE LIMITATION TI-0000-1440 CR-TBD D01 TBD SHORT LIFE - STOVL LHS THRUST MOUNT SHEAR WEBS LIFE LIMITATION TI-0000-0263 CR-021181 D02 TBD POWER PANEL 1, 2 AND 3 CHANGES TI-0000-0848 CR-021621 D02 TBD 2CSH20930 Splice, fuel Floor/Root Rib, FS 402, RHS/LHS TI-0000-0133 CR-022196A D02 35 Filter Module, Pressure TI-0000-0802 CR-022450 D02 38 MLG Drag Brace Fitting Life Limit (CTOL / STOVL) TI-0000-0321 CR-TBD D02 35 STOVL LFE Uplock TI-0000-0331 CR-TBD D02 35 Actuators, WBDDS SRGAs Loads CI/CG Life Limits TI-0000-0583 CR-TBD D02 TBD CTOL & STOVL RUDDER EHA PUMP TI-0000-0513 CR-TBD D02 TBD Ground Maintenance Motor Pump Controller		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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-0000-0626 CR-021905A D07 TBD Fuselage Remote Interface Unit (FRIU) Store Carriage Limitation TI-0000-1198 CR-TBD D08 TBD Horizontal Tail Heating TI-0000-0968 CR-018524 D09 TBD IPP Exhaust Screen STOVL only TI-0000-1078 CR-TBD D09 TBD Nacelle Insulation TI-0000-1011 CR-022226A D10 TBD L-Band Pre-Selector (LBPS) Propagation Delay Calibration for Mode 5 DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES For the F-35 program, concurrency phases out with the completion of SDD in the FY18 timeframe.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / 159.262	- / -	- / 159.262	- / 159.489	- / 114.930	- / 120.347	- / 128.466	Continuing	Continuing	
1.1.2) Concurrency - Organic	- / -	- / -	- / 73.035	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 73.035	
1.1.3) Mission Systems - Organic	- / -	- / -	- / -	- / 9.881	- / -	- / 9.881	- / 9.875	- / 7.068	- / 7.381	- / 7.849	Continuing	Continuing	
1.1.4) Vehicle Systems - Organic	- / -	- / -	- / -	- / 4.491	- / -	- / 4.491	- / 4.488	- / 3.213	- / 3.355	- / 3.568	Continuing	Continuing	
1.1.5) Propulsion - Organic	- / -	- / -	- / -	- / 15.800	- / -	- / 15.800	- / 16.100	- / 16.400	- / 16.700	- / 17.300	Continuing	Continuing	
Subtotal: Recurring	- / 0.000	- / -	- / 73.035	- / 189.434	- / -	- / 189.434	- / 189.952	- / 141.611	- / 147.783	- / 157.183	Continuing	Continuing	
Subtotal: F-35 STOVL CONCURRENCY (OSIP 023-14)	- / -	- / -	- / 73.035	- / 189.434	- / -	- / 189.434	- / 189.952	- / 141.611	- / 147.783	- / 157.183	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 73.035	- / 189.434	- / -	- / 189.434	- / 189.952	- / 141.611	- / 147.783	- / 157.183	Continuing	Continuing	
Support (All Modification Items)													
2.1) ILS	- / -	- / -	- / -	- / 3.500	- / -	- / 3.500	- / 5.250	- / 7.875	- / 9.810	- / 7.720	Continuing	Continuing	
2.2) Other Support	- / -	- / -	- / -	- / 12.573	- / -	- / 12.573	- / 13.672	- / 15.546	- / 15.355	- / 16.569	Continuing	Continuing	
Subtotal: Support	- / 0.000	- / -	- / -	- / 16.073	- / -	- / 16.073	- / 18.922	- / 23.421	- / 25.165	- / 24.289	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	73.035	205.507	-	205.507	208.874	165.032	172.948	181.472	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
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)							
Modification Item MDAP/MAIS Code:							
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 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
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 2015 Navy		Date: March 2014
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 LRIP 2-5 UPGRADE (OSIP 005-16)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	5.030	0.102	1.581	0.051	-	6.764
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	5.030	0.102	1.581	0.051	-	6.764
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	5.030	0.102	1.581	0.051	-	6.764

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 STOVL aircraft and integrated systems. All of the 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 2-5 STOVL aircraft are upgraded to a Block 3F baseline for full warfighting capability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3F DT&E certification is planned to occur by 3rd Qtr FY17. Modification kits will be procured based on flight test results.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 LRIP 2-5 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 LRIP 2-5 UPGRADE (OSIP 005-16)													
B Kits													
Recurring													
1.1.1) EQUIPMENT Block 3F - NonOrganic		- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.004	2 / 0.002	31 / 0.031	1 / 0.001	- / -	38 / 0.038
Subtotal: Recurring		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.004	- / 0.002	- / 0.031	- / 0.001	- / -	- / 0.038
Subtotal: F-35 STOVL BLOCK 3F LRIP 2-5 UPGRADE (OSIP 005-16)		- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.004	2 / 0.002	31 / 0.031	1 / 0.001	- / -	38 / 0.038
Subtotal: Procurement, All Modification Items		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.004	- / 0.002	- / 0.031	- / 0.001	- / -	- / 0.038
Support (All Modification Items)													
2.1) Training Equipment		- / -	- / -	- / -	- / -	- / -	- / -	- / 4.826	- / -	- / -	- / -	- / -	- / 4.826
Subtotal: Support		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.826	- / -	- / -	- / -	- / -	- / 4.826
Installation													
Modification Item 1 of 1: F-35 STOVL BLOCK 3F LRIP 2-5 UPGRADE (OSIP 005-16)		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / 0.100	- / 1.550	- / 0.050	- / -	- / 1.900
Subtotal: Installation		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / 0.100	- / 1.550	- / 0.050	- / -	- / 1.900
Total													
Total Cost (Procurement + Support + Installation)		0.000	-	-	-	-	-	5.030	0.102	1.581	0.051	-	6.764

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
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 LRIP 2-5 UPGRADE (OSIP 005-16)												
Modification Item 1 of 1: F-35 STOVL BLOCK 3F LRIP 2-5 UPGRADE (OSIP 005-16)																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: Lockheed Martin ⁽³⁾														Manufacturer Location: >Fort Worth, TX																		
Administrative Leadtime <i>(in Months)</i> : 1														Production Leadtime <i>(in Months)</i> : 3																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates														Jan 2016				Oct 2016				Oct 2017				Oct 2018						
Delivery Dates														Apr 2016				Jan 2017				Jan 2018				Jan 2019						
Installation Information																																
Method of Implementation: Depot Field Team : Installation Name: Block 3F																																
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		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 2013		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2014		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2015		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2016		- / -	- / -		- / -		- / -		- / -		- / -		- / -		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							
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		- / -	- / -		- / -		- / -		- / -		- / -		- / -		4 / 0.200		2 / 0.100		31 / 1.550		1 / 0.050		- / -		38 / 1.900							
Installation Schedule																																
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
		Q1	Q2	Q3	Q4	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	-	-	-	2	-	-	-	10	10	11	-	1	-	-	-	38
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	2	-	-	-	10	10	11	-	1	-	-	-	38
Footnotes: ⁽³⁾ Depot Field Team																																

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0592 / F-35 STOVL Series	Modification Number / Title: 4 / F-35 STOVL BLOCK 3F LRIP 6-8 UPGRADE (OSIP 004-18)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	0.918	-	-	0.918
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	0.918	-	-	0.918
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	0.918	-	-	0.918
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The block upgrade program retrofits United States Air 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 004-18) focuses on the Block 3F configuration upgrade effort for 18 LRIP 6-8 aircraft and integrated systems, which deliver from the manufacturer with a Block 3i capability. Purchases all necessary software and installation labor to ensure all LRIP 6-8 aircraft are upgraded to a Block 3F baseline for full warfighting capability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3F DT&E certification is planned to occur by 3rd Qtr FY17. Modification kits will be procured based on flight test results.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0592 / F-35 STOVL Series						Modification Number / Title: 4 / F-35 STOVL BLOCK 3F LRIP 6-8 UPGRADE (OSIP 004-18)			
Models of Systems Affected: F-35 STOVL				Modification Type: Capability Improvement					Related RDT&E PEs: 0604800M				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 LRIP 6-8 UPGRADE (OSIP 004-18)													
B Kits													
Recurring													
1.1.1) EQUIPMENT Block 3F - NonOrganic		- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.018	- / -	- / -	18 / 0.018	
Subtotal: Recurring		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.018	- / -	- / -	- / 0.018	
Subtotal: F-35 STOVL BLOCK 3F LRIP 6-8 UPGRADE (OSIP 004-18)		- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.018	- / -	- / -	18 / 0.018	
Subtotal: Procurement, All Modification Items		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.018	- / -	- / -	- / 0.018	
Installation													
Modification Item 1 of 1: F-35 STOVL BLOCK 3F LRIP 6-8 UPGRADE (OSIP 004-18)		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.900	- / -	- / -	- / 0.900	
Subtotal: Installation		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.900	- / -	- / -	- / 0.900	
Total													
Total Cost (Procurement + Support + Installation)		0.000	-	-	-	-	-	-	0.918	-	-	0.918	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0592 / F-35 STOVL Series										Modification Number / Title: 4 / F-35 STOVL BLOCK 3F LRIP 6-8 UPGRADE (OSIP 004-18)											
Modification Item 1 of 1: F-35 STOVL BLOCK 3F LRIP 6-8 UPGRADE (OSIP 004-18)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin ⁽⁴⁾														Manufacturer Location: >Fort Worth, TX																	
Administrative Leadtime <i>(in Months)</i> : 1														Production Leadtime <i>(in Months)</i> : 3																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																						Oct 2017									
Delivery Dates																						Jan 2018									
Installation Information																															
Method of Implementation: Depot Field Team : Installation Name: Block 3F																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>							
Prior Years		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 0.900		- / -		- / -		18 / 0.900					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 0.900		- / -		- / -		18 / 0.900					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	6	6	-	-	-	-	-	18
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	-	-	-	-	-	18
 Footnotes: ⁽⁴⁾ Depot Field Team Install																															

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy **Date:** March 2014

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	29.950	20.502	-	20.502	37.336	47.953	51.409	53.388	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	29.950	20.502	-	20.502	37.336	47.953	51.409	53.388	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	29.950	20.502	-	20.502	37.336	47.953	51.409	53.388	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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 requested modification funding 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. The focus of the modification funding requested in the 2015 President's Budget is the first (concurrency) and third (Block 3i) efforts.

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, concurrency phases out with the completion of SDD in the FY18 timeframe. Block 3i DT&E full Certification is planned by 3rd Qtr FY15, and Block 3F DT&E full Certification is planned by 4th Qtr FY17.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy																Date: March 2014					
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		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)	P-3a		-	-	0.000	-	-	-	-	-	27.614	-	-	19.135	-	-	-	-	-	19.135	
P-3a - 2 / F-35 CV CONCURRENCY (OSIP 024-14)	P-3a		-	-	0.000	-	-	-	-	-	2.336	-	-	1.367	-	-	-	-	-	1.367	
P-3a - 3 / F-35 CV BLOCK 3F LRIP 4-5 UPGRADE (OSIP 005-17)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P-3a - 4 / F-35 CV BLOCK 3F LRIP 6-8 UPGRADE (OSIP 005-18)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	29.950	-	-	20.502	-	-	-	-	-	20.502	
Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)	P-3a		-	-	19.158	-	-	1.735	-	-	1.779	-	-	-	-	-	-	-	-	69.421	
P-3a - 2 / F-35 CV CONCURRENCY (OSIP 024-14)	P-3a		-	-	18.178	-	-	44.253	-	-	48.304	-	-	53.388	Continuing			Continuing			
P-3a - 3 / F-35 CV BLOCK 3F LRIP 4-5 UPGRADE (OSIP 005-17)	P-3a		-	-	-	-	-	1.965	-	-	0.561	-	-	-	-	-	-	-	-	2.526	
P-3a - 4 / F-35 CV BLOCK 3F LRIP 6-8 UPGRADE (OSIP 005-18)	P-3a		-	-	-	-	-	-	-	-	0.765	-	-	-	-	-	-	-	-	0.765	
Total Gross/Weapon System Cost			-	-	37.336	-	-	47.953	-	-	51.409	-	-	53.388	Continuing			Continuing			
*For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: Basis for FY 2015 budget request: FY 2015 funding is requested for upgrades to 3 LRIP 4-5 JSF CVs to Block 3i configuration and associated support costs and for the highest priority concurrency modifications to support USN carrier qualification, pilot training and implementation of strategies and tactics.																					

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO[#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	27.614	19.135	-	19.135	19.158	1.735	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	-	19.135	19.158	1.735	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	-	19.135	19.158	1.735	1.779	-	-	69.421

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 a 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.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3i DT&E full Certification is planned to occur by 3rd Qtr FY15. Modification kits will be procured based on flight test results.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 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 / 14.110	3 / 14.533	- / -	- / -	- / -	- / -	11 / 51.475	
Subtotal: Recurring	- / 0.000	- / -	- / 22.832	- / 14.110	- / -	- / 14.110	- / 14.533	- / -	- / -	- / -	- / -	- / 51.475	
Subtotal: F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)	- / -	- / -	5 / 22.832	3 / 14.110	- / -	3 / 14.110	3 / 14.533	- / -	- / -	- / -	- / -	11 / 51.475	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 22.832	- / 14.110	- / -	- / 14.110	- / 14.533	- / -	- / -	- / -	- / -	- / 51.475	
Support (All Modification Items)													
2.1) ILS	- / -	- / -	- / 3.218	- / 0.683	- / -	- / 0.683	- / 0.703	- / 0.210	- / 0.215	- / -	- / -	- / 5.029	
2.2) Other Support	- / -	- / -	- / -	- / 2.731	- / -	- / 2.731	- / 2.813	- / 0.840	- / 0.858	- / -	- / -	- / 7.242	
2.3) Training Equipment	- / -	- / -	- / 1.564	- / 1.611	- / -	- / 1.611	- / -	- / -	- / -	- / -	- / -	- / 3.175	
Subtotal: Support	- / 0.000	- / -	- / 4.782	- / 5.025	- / -	- / 5.025	- / 3.516	- / 1.050	- / 1.073	- / -	- / -	- / 15.446	
Installation													
Modification Item 1 of 1: F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.109	- / 0.685	- / 0.706	- / -	- / -	- / 2.500	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.109	- / 0.685	- / 0.706	- / -	- / -	- / 2.500	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	27.614	19.135	-	19.135	19.158	1.735	1.779	-	-	69.421	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
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)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin ⁽¹⁾														Manufacturer Location: >Fort Worth, TX																	
Administrative Leadtime <i>(in Months)</i> : 6														Production Leadtime <i>(in Months)</i> : 20																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates						Mar 2014				Mar 2015				Mar 2016																	
Delivery Dates						Nov 2015				Nov 2016				Nov 2017																	
Installation Information																															
Method of Implementation: Depot Field Team : Installation Name: Block 3i																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
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		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		5 / 1.109		3 / 0.685		3 / 0.706		- / -		- / -		11 / 2.500					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	-	2	1	-	-	2	1	-	-	-	-	-	-	-	11
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	-	2	1	-	-	2	1	-	-	-	-	-	-	-	11
Footnotes: ⁽¹⁾ Depot Field Team Install																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	-	2.336	1.367	-	1.367	18.178	44.253	48.304	53.388	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	2.336	1.367	-	1.367	18.178	44.253	48.304	53.388	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	2.336	1.367	-	1.367	18.178	44.253	48.304	53.388	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>	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 FY15, the highest priority modifications will directly support USN Carrier Qualification, pilot training and implementation of strategies and tactics.

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 Initial Operational Capability (IOC), and D priority modifications as long-term retrofit needs following IOC.

Technical Mod Change USN CVs Title

Issue Request Priority Affected

TI-0000-0423 CR-016270C A01 3 Engine Bleed Air Ducting Replacement

TI-0000-0367 CR-014114C A01 TBD ENGINE TRAILER, REMOVAL WITH MINIMUM CREW OF FOUR

#N/A CR-TBD A01 TBD IPP Manifold Plumbing Interface Change

#N/A CR-TBD A01 TBD Production Thrust Recovery

#N/A CR-TBD A01 TBD Vertical Tail 575 fitting

TI-0000-0480 CR-TBD A01 11 AESG ICC System Growth

TI-0000-1093 CR-TBD A01 TBD CV Arresting Gear

TI-0000-1365 CR-TBD A01 TBD CV Cat Launch Shock Exceeds INS PBS

TI-0000-0810 CR-021168 A01 TBD CV FS 503 Frame Life Limit

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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-0000-1063 CR-TBD A01 TBD CV Nose Landing Gear Changes TI-0000-1062 CR-TBD A01 TBD CV Main Landing Gear Changes TI-0000-1256 CR-TBD A01 TBD CV NOSE LANDING GEAR DRAG BRACE DOOR CRACKING TI-0000-0817 CR-TBD A01 TBD CV RH Tail Hook Longeron-Life Limited TI-0000-1207 CR-TBD A01 TBD CV VMC ELECTRICAL CONNECTION ISSUE TI-0000-1446 CR-TBD A01 TBD CV FUEL DUMP TI-0000-0702 CR-TBD A01 TBD CV Fwd Arresting Gear Door Actuator TI-0000-0816 CR-TBD A01 TBD CV FS 496 Blkhd Life Limit TI-0000-0815 CR-TBD A01 TBD CV FWD Upper Engine Mount Life Limit #N/A 10ZA518 A02 TBD FIVV Guide Tube Durability #N/A 09ZA365 A02 TBD EIPS Harness/ Bracket/ Clamp Durability #N/A 10ZA763 A02 TBD Fan Duct Blocker Tab Seal TI-0000-1097 CR-TBD A02 TBD Ball Joint Salt Fog Failure TI-0000-0574 CR-023121 A04 19 -0021 EUs Lightning and Short Susceptibility TI-0000-0122 CR-TBD A04 15 28V Charger and Battery Part Number Changes TI-0000-0231 CR-019340B A04 11 EU Cooling Orifice Change TI-0000-0336 CR-TBD A04 19 PCD Electronics Unit Lightning Failures TI-0000-0469 CR-TBD A05 11 Life Support System Including SPA #N/A CR-TBD A06 TBD EIPS 9V.3C Controller TI-0000-1113 CR-TBD A06 TBD ESG Power Connector Rating TI-0000-1092 CR-022666 A06 TBD Landing Taxi Light Redesign TI-0000-0138 CR-018564B A06 4 Wing Tip Light Improvement (FAA Compliance) TI-0000-0895 CR-021557A A07 TBD Inability to Arm Stores TI-0000-1000 CR-TBD A07 TBD INBOARD WEAPON BAY DOOR FLIPPER DOOR TI-0000-0191 CR-023047A A08 15 270V BCCU Part Number Changes TI-0000-0516 CR-022972 A08 15 AAR Probe Weak Link Adaptor TI-0000-0854 CR-021107 A10 TBD DISPLAY MANAGEMENT COMPUTER - HELMET VIDEO RECORDING TI-0000-0898 CR-022344 A10 TBD Electronic Warfare Band 3/4 Aperature Narrow Band Null TI-0000-1372 CR-023355 A10 TBD EW Block-2 DRFM Module Firmware Issue TI-0000-0585 CR-TBD A11 19 OBOGS Low Inlet Pressure Filtering TI-0000-0343 CR-TBD A11 19 PCD Display Unit Qual Failures TI-0000-1101 CR-022647A A01 TBD GMMP Controller EEE Outage TI-0000-0064 CR-022872 B02 9 Countermeasures Control Valve TI-0000-0405 CR-TBD B02 15 Electrical Distribution Units 1, 2 (Hardware) TI-0000-0137 CR-020793 B02 11 Ground Maintenance Motor Pump TI-0000-0780 CR-TBD B02 11 IPP Turbo TI-0000-0130 CR-020289A B02 4 IRCM DOOR EMERGENCY CONTROL VALVE QUALIFICATION FAILURES #N/A CR-TBD B02 TBD MFTV TF3 Sensor Redesign TI-0000-0129 CR-TBD B02 10 MLG Directional Control Valve Qual Failure TI-0000-0158 CR-022877 B02 11 WBDDS Flexi Cable Assemblies (6) TI-0000-1060 CR-TBD B08 TBD LRIP 2, 3, and 4 Special Technology MVR #N/A CR-TBD B09 TBD IPP System Wear Solution (FDHX Durability Improvement) #N/A CR-021505 B09 TBD Modification of SE Containers #N/A CR-021381 B09 TBD Modification of Support Equipment Bead Breaker Adapter (J13033)		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
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-0000-0412 CR-020680B C02 4 Wing Lighting Controller Salt Fog Failure TI-0000-0538 CR-020593 C09 4 Flaperon EHA Corrosion TI-0000-0654 CR-020726A C09 4 Inlet Debris Monitoring System (IDMS) REF DES Mismatch TI-0000-0819 CR-TBD C09 TBD LIQUID COOLING SYSTEM CART - FACILITY AC POWER INTERFACE TI-0000-1102 CR-TBD D01 TBD BH-1 Weapons Bay Doors - AMRAAM Cradle TI-0000-0133 CR-022196A D02 11 Filter Module, Pressure TI-0000-1122 CR-TBD D09 TBD LEFAS Foldbox Lug Cracking TI-0000-1078 CR-TBD D09 TBD Nacelle Insulation TI-0000-0263 CR-021181 D09 TBD POWER PANEL 1, 2 AND 3 CHANGES TI-0000-0134 CR-TBD D09 11 Filter Module, Return/Case TI-0000-0245 CR-019469C D10 19 LRIP II Antenna Switch Unit (ASU) -0003 Vibration Failures DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES For the F-35 program, concurrency phases out with the completion of SDD in the FY18 timeframe.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	- / 0.188	- / -	- / 0.188	- / 6.366	- / 23.740	- / 23.605	- / 18.409	Continuing	Continuing	
1.1.2) Concurrency - Organic	- / -	- / -	- / 2.336	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.336	
1.1.3) Mission Systems - Organic	- / -	- / -	- / -	- / 0.175	- / -	- / 0.175	- / 0.561	- / 1.690	- / 1.999	- / 1.730	Continuing	Continuing	
1.1.4) Vehicle Systems - Organic	- / -	- / -	- / -	- / 0.175	- / -	- / 0.175	- / 0.563	- / 1.703	- / 1.998	- / 1.730	Continuing	Continuing	
1.1.5) Propulsion - Organic	- / -	- / -	- / -	- / 0.175	- / -	- / 0.175	- / 0.563	- / 3.699	- / 3.001	- / 3.729	Continuing	Continuing	
Subtotal: Recurring	- / 0.000	- / -	- / 2.336	- / 0.713	- / -	- / 0.713	- / 8.053	- / 30.832	- / 30.603	- / 25.598	Continuing	Continuing	
Subtotal: F-35 CV CONCURRENCY (OSIP 024-14)	- / -	- / -	- / 2.336	- / 0.713	- / -	- / 0.713	- / 8.053	- / 30.832	- / 30.603	- / 25.598	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 2.336	- / 0.713	- / -	- / 0.713	- / 8.053	- / 30.832	- / 30.603	- / 25.598	Continuing	Continuing	
Support (All Modification Items)													
2.1) ILS	- / -	- / -	- / -	- / 0.654	- / -	- / 0.654	- / 5.000	- / 7.875	- / 9.313	- / 15.219	Continuing	Continuing	
2.2) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.125	- / 5.546	- / 8.388	- / 12.571	Continuing	Continuing	
Subtotal: Support	- / 0.000	- / -	- / -	- / 0.654	- / -	- / 0.654	- / 10.125	- / 13.421	- / 17.701	- / 27.790	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	2.336	1.367	-	1.367	18.178	44.253	48.304	53.388	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy				Date: March 2014			
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)							
Modification Item MDAP/MAIS Code:							
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 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		
Footnotes: ⁽²⁾ Quantities vary for each mod.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
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 4-5 UPGRADE (OSIP 005-17)			

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	1.965	0.561	-	-	2.526
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	1.965	0.561	-	-	2.526
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	1.965	0.561	-	-	2.526
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

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 CV aircraft and integrated systems. All of the 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 4-5 CV aircraft are upgraded to a Block 3F baseline for full warfighting capability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3F DT&E full Certification is planned to occur by 4th Qtr FY17. Modification kits will be procured based on flight test results.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 4-5 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 4-5 UPGRADE (OSIP 005-17)													
B Kits													
Recurring													
1.1.1) EQUIPMENT Block 3F - NonOrganic													
- / -													
Subtotal: Recurring													
- / 0.000													
Subtotal: F-35 CV BLOCK 3F LRIP 4-5 UPGRADE (OSIP 005-17)													
- / -													
Subtotal: Procurement, All Modification Items													
- / 0.000													
Support (All Modification Items)													
2.1) Training Equipment													
- / -													
Subtotal: Support													
- / 0.000													
Installation													
Modification Item 1 of 1: F-35 CV BLOCK 3F LRIP 4-5 UPGRADE (OSIP 005-17)													
- / 0.000													
Subtotal: Installation													
- / 0.000													
Total													
Total Cost (Procurement + Support + Installation)													
0.000 - - - - - 1.965 0.561 - - 2.526													

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
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 4-5 UPGRADE (OSIP 005-17)												
Modification Item 1 of 1: F-35 CV BLOCK 3F LRIP 4-5 UPGRADE (OSIP 005-17)																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: Lockheed Martin ⁽³⁾														Manufacturer Location: >Fort Worth, TX																		
Administrative Leadtime <i>(in Months)</i> : 1														Production Leadtime <i>(in Months)</i> : 3																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates																		Oct 2016				Oct 2017										
Delivery Dates																		Jan 2017				Jan 2018										
Installation Information																																
Method of Implementation: Depot Field Team : Installation Name: Block 3F																																
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 0.300		- / -		- / -		- / -		6 / 0.300						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		11 / 0.550		- / -		- / -		11 / 0.550						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 0.300		11 / 0.550		- / -		- / -		17 / 0.850						
Installation Schedule																																
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
		Q1	Q2	Q3	Q4	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	-	-	-	4	4	3	-	-	-	-	-	-	17
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	4	4	3	-	-	-	-	-	-	17
Footnotes: ⁽³⁾ Depot Field Team Install																																

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 4 / F-35 CV BLOCK 3F LRIP 6-8 UPGRADE (OSIP 005-18)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	0.765	-	-	0.765
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	0.765	-	-	0.765
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	0.765	-	-	0.765
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The block upgrade program retrofits United States Air 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 005-18) focuses on the Block 3F configuration upgrade effort for 15 LRIP 6-8 CV aircraft and integrated systems which deliver from the manufacturer with a Block 3i capability. Purchases all necessary software and installation labor to ensure all LRIP 6-8 CV aircraft are upgraded to a Block 3F baseline for full warfighting capability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3F DT&E full Certification is planned to occur by 4th Qtr FY17. Modification kits will be procured based on flight test results.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0593 / F-35 CV Series						Modification Number / Title: 4 / F-35 CV BLOCK 3F LRIP 6-8 UPGRADE (OSIP 005-18)			
Models of Systems Affected: F-35 CV				Modification Type: Capability Improvement					Related RDT&E PEs: 0604800N				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 6-8 UPGRADE (OSIP 005-18)													
B Kits													
Recurring													
1.1.1) EQUIPMENT Block 3F - NonOrganic													
- / -													
Subtotal: Recurring													
- / 0.000													
Subtotal: F-35 CV BLOCK 3F LRIP 6-8 UPGRADE (OSIP 005-18)													
- / -													
Subtotal: Procurement, All Modification Items													
- / 0.000													
Installation													
Modification Item 1 of 1: F-35 CV BLOCK 3F LRIP 6-8 UPGRADE (OSIP 005-18)													
- / 0.000													
Subtotal: Installation													
- / 0.000													
Total													
Total Cost (Procurement + Support + Installation)													
0.000 - - - - - - - 0.765 - - 0.765													

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0593 / F-35 CV Series										Modification Number / Title: 4 / F-35 CV BLOCK 3F LRIP 6-8 UPGRADE (OSIP 005-18)											
Modification Item 1 of 1: F-35 CV BLOCK 3F LRIP 6-8 UPGRADE (OSIP 005-18)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin ⁽⁴⁾														Manufacturer Location: >Fort Worth, TX																	
Administrative Leadtime (in Months): 1														Production Leadtime (in Months): 3																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																						Oct 2017									
Delivery Dates																						Jan 2018									
Installation Information																															
Method of Implementation: Method : Installation Name: Installation Group Name																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total 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 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		15 / 0.750		- / -		- / -		15 / 0.750					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		15 / 0.750		- / -		- / -		15 / 0.750					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	15
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	15
Footnotes: ⁽⁴⁾ Depot Field Team Install																															