

UNCLASSIFIED

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

February 2015



Air Force

Justification Book Volume 2 of 2

Aircraft Procurement, Air Force

Vol-2 Mods

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Volume 2 Table of Contents

Comptroller Exhibit P-1.....Volume 2 - iii
Master Line Item Table of Contents (by Appropriation then Line Number)..... Volume 2 - xxi
Master Line Item Table of Contents (Alphabetically by Line Item Title)..... Volume 2 - xxvii
Line Item Table of Contents (by Appropriation then Line Number)..... Volume 2 - xxxiii
Line Item Table of Contents (Alphabetically by Line Item Title)..... Volume 2 - xxxvii
Exhibit P-1M, Procurement Programs - Modification Summary..... Volume 2 - xli
Exhibit P-40s..... Volume 2 - 1

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

28 Jan 2015

Appropriation -----	FY 2014 (Base & OCO) -----	FY 2015 Base Enacted -----	FY 2015 OCO Enacted -----	FY 2015 Total Enacted -----
Aircraft Procurement, Air Force	10,608,060	12,067,703	481,019	12,548,722
Missile Procurement, Air Force	4,310,213	4,626,015	136,189	4,762,204
Space Procurement, Air Force				
Procurement of Ammunition, Air Force	884,003	659,909	219,785	879,694
Other Procurement, Air Force	19,174,630	16,779,633	3,607,526	20,387,159
Total Department of the Air Force	34,976,906	34,133,260	4,444,519	38,577,779

UNCLASSIFIED

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

28 Jan 2015

Appropriation -----	FY 2016 Base -----	FY 2016 OCO -----	FY 2016 Total -----
Aircraft Procurement, Air Force	15,657,769	128,900	15,786,669
Missile Procurement, Air Force	2,987,045	289,142	3,276,187
Space Procurement, Air Force	2,584,061		2,584,061
Procurement of Ammunition, Air Force	1,758,843	228,874	1,987,717
Other Procurement, Air Force	18,272,438	3,859,964	22,132,402
Total Department of the Air Force	41,260,156	4,506,880	45,767,036

UNCLASSIFIED

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

28 Jan 2015

Appropriation: Aircraft Procurement, Air Force

Budget Activity -----	FY 2014 (Base & OCO) -----	FY 2015 Base Enacted -----	FY 2015 OCO Enacted -----	FY 2015 Total Enacted -----
01. Combat Aircraft	3,229,135	3,982,926		3,982,926
02. Airlift Aircraft	1,303,072	2,950,576	70,000	3,020,576
04. Other Aircraft	1,201,850	563,670		563,670
05. Modification of Inservice Aircraft	3,182,722	2,858,805	272,609	3,131,414
06. Aircraft Spares and Repair Parts	265,597	466,562	83,410	549,972
07. Aircraft Supt Equipment & Facilities	1,425,684	1,245,164	55,000	1,300,164
Total Aircraft Procurement, Air Force	10,608,060	12,067,703	481,019	12,548,722

UNCLASSIFIED

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

28 Jan 2015

Appropriation: Aircraft Procurement, Air Force

Budget Activity -----	FY 2016 Base -----	FY 2016 OCO -----	FY 2016 Total -----
01. Combat Aircraft	5,720,472		5,720,472
02. Airlift Aircraft	4,672,161		4,672,161
04. Other Aircraft	724,973	13,500	738,473
05. Modification of Inservice Aircraft	2,472,757	115,400	2,588,157
06. Aircraft Spares and Repair Parts	656,242		656,242
07. Aircraft Supt Equipment & Facilities	1,411,164		1,411,164
Total Aircraft Procurement, Air Force	15,657,769	128,900	15,786,669

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

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

Tactical Forces											
1	F-35	A	19	(3,183,002)	28	(4,030,579)			28	(4,030,579)	U
	Less: Advance Procurement (PY)			(-293,400)		(-339,533)				(-339,533)	U
				-----		-----				-----	
				2,889,602		3,691,046				3,691,046	
2	F-35										
	Advance Procurement (CY)			339,533		291,880				291,880	U
				-----		-----				-----	
				3,229,135		3,982,926				3,982,926	
Total Combat Aircraft											

Budget Activity 02: Airlift Aircraft											

Tactical Airlift											
3	KC-46A Tanker	A			7	1,573,185			7	1,573,185	U
Other Airlift											
4	C-130J	A	6	(537,279)	6	(580,396)	1	(70,000)	7	(650,396)	U
	Less: Advance Procurement (PY)			(-59,762)		(-98,000)				(-98,000)	U
				-----		-----				-----	
				477,517		482,396		70,000		552,396	
5	C-130J										
	Advance Procurement (CY)			162,000		140,000				140,000	U
6	HC-130J	A	1	(122,121)	4	(388,024)			4	(388,024)	U
	Less: Advance Procurement (PY)					(-56,000)				(-56,000)	U
				-----		-----				-----	
				122,121		332,024				332,024	
7	HC-130J										
	Advance Procurement (CY)			88,000		50,000				50,000	U

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Combat Aircraft									

Tactical Forces									
1	F-35	A	44	(5,552,092)			44	(5,552,092)	U
	Less: Advance Procurement (PY)			(-291,880)				(-291,880)	U
				-----				-----	
				5,260,212				5,260,212	
2	F-35								
	Advance Procurement (CY)			460,260				460,260	U
				-----				-----	
	Total Combat Aircraft			5,720,472				5,720,472	
Budget Activity 02: Airlift Aircraft									

Tactical Airlift									
3	KC-46A Tanker	A	12	2,350,601			12	2,350,601	U
Other Airlift									
4	C-130J	A	14	(1,085,154)			14	(1,085,154)	U
	Less: Advance Procurement (PY)			(-196,000)				(-196,000)	U
				-----				-----	
				889,154				889,154	
5	C-130J								
	Advance Procurement (CY)			50,000				50,000	U
6	HC-130J	A	5	(533,934)			5	(533,934)	U
	Less: Advance Procurement (PY)			(-70,000)				(-70,000)	U
				-----				-----	
				463,934				463,934	
7	HC-130J								
	Advance Procurement (CY)			30,000				30,000	U

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
8	MC-130J	A	4	(349,434)	2	(320,971)			2	(320,971)	U
	Less: Advance Procurement (PY)					(-28,000)				(-28,000)	U
				349,434		292,971				292,971	
9	MC-130J			104,000		80,000				80,000	U
	Advance Procurement (CY)										
Total Airlift Aircraft				1,303,072		2,950,576		70,000		3,020,576	
Budget Activity 04: Other Aircraft											

Helicopters											
10	CV-22 (MYP)	A	4	(300,998)		(15,000)				(15,000)	U
	Less: Advance Procurement (PY)			(-15,000)							U
				285,998		15,000				15,000	
Mission Support Aircraft											
11	Civil Air Patrol A/C	A	6	10,200	20	10,400			20	10,400	U
Other Aircraft											
12	Target Drones	A	41	123,669	37	98,576			37	98,576	U
13	AC-130J		5	420,019							U
14	RQ-4	A		11,000		54,475				54,475	U
15	MQ-9	A	20	349,217	24	385,219			24	385,219	U
16	RQ-4 Block 40 Proc	A		1,747							U
Total Other Aircraft				1,201,850		563,670				563,670	

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
8	MC-130J	A	8	(940,472)			8	(940,472)	U
	Less: Advance Procurement (PY)			(-112,000)				(-112,000)	U
				-----				-----	
				828,472				828,472	
9	MC-130J			60,000				60,000	U
	Advance Procurement (CY)			-----				-----	
				4,672,161				4,672,161	
Total Airlift Aircraft									
Budget Activity 04: Other Aircraft									

Helicopters									
10	CV-22 (MYP)	A							U
	Less: Advance Procurement (PY)								U
				-----				-----	
Mission Support Aircraft									
11	Civil Air Patrol A/C	A	6	2,617			6	2,617	U
Other Aircraft									
12	Target Drones	A	75	132,028			75	132,028	U
13	AC-130J								U
14	RQ-4	A		37,800				37,800	U
15	MQ-9	A	29	552,528	13,500		29	566,028	U
16	RQ-4 Block 40 Proc	A							U
				-----				-----	
				724,973	13,500			738,473	
Total Other Aircraft									

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 05: Modification of Inservice Aircraft											

Strategic Aircraft											
17	B-2A	A		17,019		21,865				21,865	U
18	B-1B	A		139,135		127,990		91,879		219,869	U
19	B-52	A		90,803		176,448				176,448	U
20	Large Aircraft Infrared Countermeasures	A		160,247		13,159				13,159	U
Tactical Aircraft											
21	A-10	A		2,298							U
22	F-15	A		344,224		498,314				498,314	U
23	F-16	A		9,334		9,042				9,042	U
24	F-22A	A		232,156		180,207				180,207	U
25	F-35 Modifications	A		123,916		187,646				187,646	U
26	Increment 3.2b										U
	Less: Advance Procurement (PY)										U
				-----		-----		-----		-----	
27	Increment 3.2b										U
	Advance Procurement (CY)					28,500				28,500	U
Airlift Aircraft											
28	C-5	A		956		14,731				14,731	U
29	C-5M	A		(1,059,517)		(317,466)				(317,466)	U
	Less: Advance Procurement (PY)			(-175,800)							U
				-----		-----		-----		-----	
				883,717		317,466				317,466	

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 28, 2015 at 07:25:38

UNCLASSIFIED

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 05: Modification of Inservice Aircraft									

Strategic Aircraft									
17	B-2A	A		32,458				32,458	U
18	B-1B	A		114,119				114,119	U
19	B-52	A		148,987				148,987	U
20	Large Aircraft Infrared Countermeasures	A		84,335				84,335	U
Tactical Aircraft									
21	A-10	A							U
22	F-15	A		464,367				464,367	U
23	F-16	A		17,134				17,134	U
24	F-22A	A		126,152				126,152	U
25	F-35 Modifications	A		70,167				70,167	U
26	Increment 3.2b			(97,825)				(97,825)	U
	Less: Advance Procurement (PY)			(-28,500)				(-28,500)	U
				-----				-----	
				69,325				69,325	
27	Increment 3.2b								
	Advance Procurement (CY)								U
Airlift Aircraft									
28	C-5	A		5,604				5,604	U
29	C-5M	A							U
	Less: Advance Procurement (PY)								U
				-----				-----	

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
30	C-17A	A		98,197		89,394				89,394	U
31	C-21	A		103		264				264	U
32	C-32A	A		24,705		8,767				8,767	U
33	C-37A	A		1,952		18,457				18,457	U
Trainer Aircraft											
34	Glider Mods	A		128		132				132	U
35	T-6	A		5,392		14,486				14,486	U
36	T-1	A		277		7,650				7,650	U
37	T-38	A		19,334		28,845				28,845	U
Other Aircraft											
38	U-2 Mods	A		49,547							U
39	KC-10A (ATCA)	A		48,169		77,513				77,513	U
40	C-12	A		876		1,960				1,960	U
41	C-20 Mods	A		192							U
42	VC-25A Mod	A		263		1,072				1,072	U
43	C-40	A		54,119		7,292				7,292	U
44	C-130	A		231,895		124,269		39,640		163,909	U
45	C-130J Mods	A		8,788		7,919		18,000		25,919	U
46	C-135	A		29,556		63,568				63,568	U
47	Compass Call Mods	A		29,494		57,828		24,800		82,628	U
48	RC-135	A		174,513		163,346				163,346	U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 28, 2015 at 07:25:38

UNCLASSIFIED

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
30	C-17A	A		46,997			46,997		U
31	C-21	A		10,162			10,162		U
32	C-32A	A		44,464			44,464		U
33	C-37A	A		10,861			10,861		U
Trainer Aircraft									
34	Glider Mods	A		134			134		U
35	T-6	A		17,968			17,968		U
36	T-1	A		23,706			23,706		U
37	T-38	A		30,604			30,604		U
Other Aircraft									
38	U-2 Mods	A		22,095			22,095		U
39	KC-10A (ATCA)	A		5,611			5,611		U
40	C-12	A		1,980			1,980		U
41	C-20 Mods	A							U
42	VC-25A Mod	A		98,231			98,231		U
43	C-40	A		13,171			13,171		U
44	C-130	A		7,048		1,410	8,458		U
45	C-130J Mods	A		29,713			29,713		U
46	C-135	A		49,043			49,043		U
47	Compass Call Mods	A		68,415			68,415		U
48	RC-135	A		156,165			156,165		U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 28, 2015 at 07:25:38

UNCLASSIFIED

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
49	E-3	A		138,513		16,491				16,491	U
50	E-4	A		17,165		17,091				17,091	U
51	E-8	A		55,978							U
52	Airborne Warning and Control System	A				191,284				191,284	U
53	Family of Beyond Line-of-Sight Terminals	A				27,026				27,026	U
54	H-1	A		6,627		8,237				8,237	U
55	UH-1N Replacement										U
56	H-60	A		27,654		60,110				60,110	U
57	RQ-4 Mods	A		9,313		21,354				21,354	U
58	HC/MC-130 Modifications	A		16,300		1,902		41,300		43,202	U
59	Other Aircraft	A		21,148		32,106		56,990		89,096	U
60	MQ-1 Mods	A		6,526		4,755				4,755	U
61	MQ-9 Mods	A		58,970		155,445				155,445	U
62	RQ-4 GSRA/CSRA Mods	A		23,668							U
63	CV-22 Mods	A		19,555		74,874				74,874	U
Total Modification of Inservice Aircraft				3,182,722		2,858,805		272,609		3,131,414	
Budget Activity 06: Aircraft Spares and Repair Parts											

Aircraft Spares and Repair Parts											
64	Initial Spares/Repair Parts	A		265,597		466,562		83,410		549,972	U
Total Aircraft Spares and Repair Parts				265,597		466,562		83,410		549,972	

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
49	E-3	A		13,178			13,178		U
50	E-4	A		23,937			23,937		U
51	E-8	A		18,001			18,001		U
52	Airborne Warning and Control System	A		183,308			183,308		U
53	Family of Beyond Line-of-Sight Terminals	A		44,163			44,163		U
54	H-1	A		6,291			6,291		U
55	UH-1N Replacement			2,456			2,456		U
56	H-60	A		45,731		39,300	85,031		U
57	RQ-4 Mods	A		50,022			50,022		U
58	HC/MC-130 Modifications	A		21,660		5,690	27,350		U
59	Other Aircraft	A		117,767			117,767		U
60	MQ-1 Mods	A		3,173			3,173		U
61	MQ-9 Mods	A		115,226		69,000	184,226		U
62	RQ-4 GSRA/CSRA Mods	A							U
63	CV-22 Mods	A		58,828			58,828		U
Total Modification of Inservice Aircraft				2,472,757		115,400	2,588,157		
Budget Activity 06: Aircraft Spares and Repair Parts									

Aircraft Spares and Repair Parts									
64	Initial Spares/Repair Parts	A		656,242			656,242		U
Total Aircraft Spares and Repair Parts				656,242			656,242		

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 07: Aircraft Supt Equipment & Facilities											

Common Support Equipment											
65	Aircraft Replacement Support Equip	A		42,140		22,470				22,470	U
Post Production Support											
66	B-1	A		3,683							U
67	B-2a	A		36,733		44,793				44,793	U
68	B-52	A		5,600		5,249				5,249	U
69	C-17A	A		49,952		20,110				20,110	U
70	CV-22 Post Production Support					16,931				16,931	U
71	C-135	A		8,597		4,414				4,414	U
72	F-15	A		2,403		1,122				1,122	U
73	F-16	A		3,238		9,994				9,994	U
74	F-22A	A		5,911		5,929				5,929	U
75	Other Aircraft	A				27				27	U
76	MQ-9	A									U
Industrial Preparedness											
77	Industrial Responsiveness	A		17,742		21,363				21,363	U
War Consumables											
78	War Consumables	A		88,519		82,906				82,906	U
Other Production Charges											
79	Other Production Charges	A		1,085,321		940,476		55,000		995,476	U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 28, 2015 at 07:25:38

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 07: Aircraft Supt Equipment & Facilities									

Common Support Equipment									
65	Aircraft Replacement Support Equip	A		33,716			33,716		U
Post Production Support									
66	B-1	A							U
67	B-2a	A		38,837			38,837		U
68	B-52	A		5,911			5,911		U
69	C-17A	A		30,108			30,108		U
70	CV-22 Post Production Support			3,353			3,353		U
71	C-135	A		4,490			4,490		U
72	F-15	A		3,225			3,225		U
73	F-16	A		14,969			14,969		U
74	F-22A	A		971			971		U
75	Other Aircraft	A							U
76	MQ-9	A		5,000			5,000		U
Industrial Preparedness									
77	Industrial Responsiveness	A		18,802			18,802		U
War Consumables									
78	War Consumables	A		156,465			156,465		U
Other Production Charges									
79	Other Production Charges	A		1,052,814			1,052,814		U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 28, 2015 at 07:25:38

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
999	Classified Programs			75,845		69,380				69,380	U
	Total Aircraft Supt Equipment & Facilities			1,425,684		1,245,164		55,000		1,300,164	
	Total Aircraft Procurement, Air Force			10,608,060		12,067,703		481,019		12,548,722	

UNCLASSIFIED

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

28 Jan 2015

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
999	Classified Programs			42,503				42,503	U
	Total Aircraft Supt Equipment & Facilities			1,411,164				1,411,164	
	Total Aircraft Procurement, Air Force			15,657,769		128,900		15,786,669	

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

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

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
1	01	03	ATA000	F-35.....	Volume 1 - 1
2	01	03	ATA000	F-35, Advance Procurement.....	Volume 1 - 19

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
3	02	02	KC046A	KC-46A Tanker.....	Volume 1 - 23
4	02	03	C130J0	C-130J.....	Volume 1 - 35
5	02	03	C130J0	C-130J, Advance Procurement.....	Volume 1 - 57
6	02	03	C130JH	HC-130J.....	Volume 1 - 61
7	02	03	C130JH	HC-130J, Advance Procurement.....	Volume 1 - 75
8	02	03	C130JM	MC-130J.....	Volume 1 - 79
9	02	03	C130JM	MC-130J, Advance Procurement.....	Volume 1 - 91

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
10	04	01	V022A0	CV-22 (MYP).....	Volume 1 - 95
11	04	04	CAPAC0	Civil Air Patrol A/C.....	Volume 1 - 105
12	04	05	10TRGT	Target Drones.....	Volume 1 - 113
13	04	05	C130JA	AC-130J.....	Volume 1 - 131
14	04	05	HAEUAV	RQ-4.....	Volume 1 - 141
15	04	05	PRDTB1	MQ-9.....	Volume 1 - 159
16	04	05	RQ440P	RQ-4 Block 40 Proc.....	Volume 1 - 175

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
17	05	01	B00200	B-2A.....	Volume 2 - 1
18	05	01	B01B00	B-1B.....	Volume 2 - 9
19	05	01	B05200	B-52.....	Volume 2 - 21
20	05	01	LAIRCM	Large Aircraft Infrared Countermeasures.....	Volume 2 - 35

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
21	05	02	A01000	A-10.....	Volume 2 - 47
22	05	02	F01500	F-15.....	Volume 2 - 51
23	05	02	F01600	F-16.....	Volume 2 - 75
24	05	02	F02200	F-22A.....	Volume 2 - 85
25	05	02	F03500	F-35 Modifications.....	Volume 2 - 99
27	05	02	F2232B	Increment 3.2b.....	Volume 2 - 117
26	05	02	F2232B	Increment 3.2b, Advance Procurement.....	Volume 2 - 123
28	05	03	C00500	C-5.....	Volume 2 - 127
29	05	03	C005M0	C-5M.....	Volume 2 - 135
0	05	03	C005M0	C-5M, Advance Procurement.....	
30	05	03	C01700	C-17A.....	Volume 2 - 143
31	05	03	C02100	C-21.....	Volume 2 - 155
32	05	03	C03200	C-32A.....	Volume 2 - 161
33	05	03	C03700	C-37A.....	Volume 2 - 171
34	05	04	GLID00	GLIDER Mods.....	Volume 2 - 179
35	05	04	JPAT00	T-6.....	Volume 2 - 181
36	05	04	T00100	T-1.....	Volume 2 - 191
37	05	04	T03800	T-38.....	Volume 2 - 197

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
38	05	05	11U200	U-2 Mods.....	Volume 2 - 209
39	05	05	C01000	KC-10A (ATCA).....	Volume 2 - 215
40	05	05	C01200	C-12.....	Volume 2 - 217
41	05	05	C02000	C-20 Mods.....	Volume 2 - 219
42	05	05	C02500	VC-25A Mod.....	Volume 2 - 221
43	05	05	C04000	C-40.....	Volume 2 - 231
44	05	05	C13000	C-130.....	Volume 2 - 237
45	05	05	C1300J	C-130J MODS.....	Volume 2 - 243
46	05	05	C13500	C-135.....	Volume 2 - 249
47	05	05	CALL00	COMPASS CALL Mods.....	Volume 2 - 257
48	05	05	DARP01	RC-135.....	Volume 2 - 267
49	05	05	E00300	E-3.....	Volume 2 - 281
50	05	05	E00400	E-4.....	Volume 2 - 289
51	05	05	E00800	E-8.....	Volume 2 - 299
52	05	05	E34045	Airborne Warning and Control System.....	Volume 2 - 305
53	05	05	FBLOST	Family of Beyond Line-of-Sight Terminals.....	Volume 2 - 313
54	05	05	H00100	H-1.....	Volume 2 - 319
55	05	05	H0106O	UH-1N Replacement.....	Volume 2 - 321

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
56	05	05	H06000	H-60.....	Volume 2 - 327
57	05	05	HAWK00	RQ-4 MODS.....	Volume 2 - 345
58	05	05	HCMC00	HC/MC-130 Modifications.....	Volume 2 - 369
59	05	05	OTHACF	Other Aircraft.....	Volume 2 - 381
60	05	05	PRDT01	MQ-1 Mods.....	Volume 2 - 391
62	05	05	RQ4GCM	RQ-4 GSRA/CSRA Mods.....	Volume 2 - 393
63	05	05	V02200	CV-22 MODS.....	Volume 2 - 395
76	05	05	PRDTB2	MQ-9 MODS.....	Volume 2 - 441

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
64	06	10	000999	Initial Spares/Repair Parts.....	Volume 1 - 179

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
65	07	01	71	Aircraft Replacement Support Equip.....	Volume 1 - 185
66	07	02	B00100	B-1.....	Volume 1 - 213
67	07	02	B002B0	B-2A.....	Volume 1 - 217
68	07	02	B05200	B-52.....	Volume 1 - 221
69	07	02	C01700	C-17A.....	Volume 1 - 225
70	07	02	C0V220	CV-22 Post Production Support.....	Volume 1 - 229
71	07	02	C13500	C-135.....	Volume 1 - 233
72	07	02	F0150P	F-15.....	Volume 1 - 237
73	07	02	F0160P	F-16.....	Volume 1 - 241
74	07	02	F02200	F-22A.....	Volume 1 - 245
75	07	02	OTHACF	Other Aircraft.....	Volume 1 - 249
77	07	03	73	Industrial Responsiveness.....	Volume 1 - 253
78	07	04	000074	War Consumables.....	Volume 1 - 257
79	07	05	0000751	Other Production Charges.....	Volume 1 - 263

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

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

Line Item Title	Line Item Number	Line #	BA	BSA	Page
A-10	A01000	21	05	02.....	Volume 2 - 47
AC-130J	C130JA	13	04	05.....	Volume 1 - 131
Airborne Warning and Control System	E34045	52	05	05.....	Volume 2 - 305
Aircraft Replacement Support Equip	71	65	07	01.....	Volume 1 - 185
B-1	B00100	66	07	02.....	Volume 1 - 213
B-1B	B01B00	18	05	01.....	Volume 2 - 9
B-2A	B002B0	67	07	02.....	Volume 1 - 217
B-2A	B00200	17	05	01.....	Volume 2 - 1
B-52	B05200	68	07	02.....	Volume 1 - 221
B-52	B05200	19	05	01.....	Volume 2 - 21
C-12	C01200	40	05	05.....	Volume 2 - 217
C-130	C13000	44	05	05.....	Volume 2 - 237
C-130J	C130J0	4	02	03.....	Volume 1 - 35
C-130J, Advance Procurement	C130J0	5	02	03.....	Volume 1 - 57
C-130J MODS	C1300J	45	05	05.....	Volume 2 - 243
C-135	C13500	71	07	02.....	Volume 1 - 233
C-135	C13500	46	05	05.....	Volume 2 - 249

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
C-17A	C01700	69	07	02.....	Volume 1 - 225
C-17A	C01700	30	05	03.....	Volume 2 - 143
C-20 Mods	C02000	41	05	05.....	Volume 2 - 219
C-21	C02100	31	05	03.....	Volume 2 - 155
C-32A	C03200	32	05	03.....	Volume 2 - 161
C-37A	C03700	33	05	03.....	Volume 2 - 171
C-40	C04000	43	05	05.....	Volume 2 - 231
C-5	C00500	28	05	03.....	Volume 2 - 127
C-5M	C005M0	29	05	03.....	Volume 2 - 135
C-5M, Advance Procurement	C005M0	0	05	03.....	
COMPASS CALL Mods	CALL00	47	05	05.....	Volume 2 - 257
CV-22 (MYP)	V022A0	10	04	01.....	Volume 1 - 95
CV-22 MODS	V02200	63	05	05.....	Volume 2 - 395
CV-22 Post Production Support	C0V220	70	07	02.....	Volume 1 - 229
Civil Air Patrol A/C	CAPAC0	11	04	04.....	Volume 1 - 105
E-3	E00300	49	05	05.....	Volume 2 - 281
E-4	E00400	50	05	05.....	Volume 2 - 289
E-8	E00800	51	05	05.....	Volume 2 - 299
F-15	F0150P	72	07	02.....	Volume 1 - 237
F-15	F01500	22	05	02.....	Volume 2 - 51

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
F-16	F0160P	73	07	02.....	Volume 1 - 241
F-16	F01600	23	05	02.....	Volume 2 - 75
F-22A	F02200	74	07	02.....	Volume 1 - 245
F-22A	F02200	24	05	02.....	Volume 2 - 85
F-35	ATA000	1	01	03.....	Volume 1 - 1
F-35, Advance Procurement	ATA000	2	01	03.....	Volume 1 - 19
F-35 Modifications	F03500	25	05	02.....	Volume 2 - 99
Family of Beyond Line-of-Sight Terminals	FBLOST	53	05	05.....	Volume 2 - 313
GLIDER Mods	GLID00	34	05	04.....	Volume 2 - 179
H-1	H00100	54	05	05.....	Volume 2 - 319
H-60	H06000	56	05	05.....	Volume 2 - 327
HC-130J	C130JH	6	02	03.....	Volume 1 - 61
HC-130J, Advance Procurement	C130JH	7	02	03.....	Volume 1 - 75
HC/MC-130 Modifications	HCMC00	58	05	05.....	Volume 2 - 369
Increment 3.2b	F2232B	27	05	02.....	Volume 2 - 117
Increment 3.2b, Advance Procurement	F2232B	26	05	02.....	Volume 2 - 123
Industrial Responsiveness	73	77	07	03.....	Volume 1 - 253
Initial Spares/Repair Parts	000999	64	06	10.....	Volume 1 - 179
KC-10A (ATCA)	C01000	39	05	05.....	Volume 2 - 215
KC-46A Tanker	KC046A	3	02	02.....	Volume 1 - 23

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Large Aircraft Infrared Countermeasures	LAIRCM	20	05	01.....	Volume 2 - 35
MC-130J	C130JM	8	02	03.....	Volume 1 - 79
MC-130J, Advance Procurement	C130JM	9	02	03.....	Volume 1 - 91
MQ-1 Mods	PRDT01	60	05	05.....	Volume 2 - 391
MQ-9	PRDTB1	15	04	05.....	Volume 1 - 159
MQ-9 MODS	PRDTB2	76	05	05.....	Volume 2 - 441
Other Aircraft	OTHACF	75	07	02.....	Volume 1 - 249
Other Aircraft	OTHACF	59	05	05.....	Volume 2 - 381
Other Production Charges	0000751	79	07	05.....	Volume 1 - 263
RC-135	DARP01	48	05	05.....	Volume 2 - 267
RQ-4	HAEUAV	14	04	05.....	Volume 1 - 141
RQ-4 Block 40 Proc	RQ440P	16	04	05.....	Volume 1 - 175
RQ-4 GSRA/CSRA Mods	RQ4GCM	62	05	05.....	Volume 2 - 393
RQ-4 MODS	HAWK00	57	05	05.....	Volume 2 - 345
T-1	T00100	36	05	04.....	Volume 2 - 191
T-38	T03800	37	05	04.....	Volume 2 - 197
T-6	JPAT00	35	05	04.....	Volume 2 - 181
Target Drones	10TRGT	12	04	05.....	Volume 1 - 113
U-2 Mods	11U200	38	05	05.....	Volume 2 - 209
UH-1N Replacement	H0106O	55	05	05.....	Volume 2 - 321

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
VC-25A Mod	C02500	42	05	05.....	Volume 2 - 221
War Consumables	000074	78	07	04.....	Volume 1 - 257

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

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

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
17	05	01	B00200	B-2A.....	Volume 2 - 1
18	05	01	B01B00	B-1B.....	Volume 2 - 9
19	05	01	B05200	B-52.....	Volume 2 - 21
20	05	01	LAIRCM	Large Aircraft Infrared Countermeasures.....	Volume 2 - 35
21	05	02	A01000	A-10.....	Volume 2 - 47
22	05	02	F01500	F-15.....	Volume 2 - 51
23	05	02	F01600	F-16.....	Volume 2 - 75
24	05	02	F02200	F-22A.....	Volume 2 - 85
25	05	02	F03500	F-35 Modifications.....	Volume 2 - 99
27	05	02	F2232B	Increment 3.2b.....	Volume 2 - 117
26	05	02	F2232B	Increment 3.2b, Advance Procurement.....	Volume 2 - 123
28	05	03	C00500	C-5.....	Volume 2 - 127
29	05	03	C005M0	C-5M.....	Volume 2 - 135
0	05	03	C005M0	C-5M, Advance Procurement.....	
30	05	03	C01700	C-17A.....	Volume 2 - 143
31	05	03	C02100	C-21.....	Volume 2 - 155

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
32	05	03	C03200	C-32A.....	Volume 2 - 161
33	05	03	C03700	C-37A.....	Volume 2 - 171
34	05	04	GLID00	GLIDER Mods.....	Volume 2 - 179
35	05	04	JPAT00	T-6.....	Volume 2 - 181
36	05	04	T00100	T-1.....	Volume 2 - 191
37	05	04	T03800	T-38.....	Volume 2 - 197
38	05	05	11U200	U-2 Mods.....	Volume 2 - 209
39	05	05	C01000	KC-10A (ATCA).....	Volume 2 - 215
40	05	05	C01200	C-12.....	Volume 2 - 217
41	05	05	C02000	C-20 Mods.....	Volume 2 - 219
42	05	05	C02500	VC-25A Mod.....	Volume 2 - 221
43	05	05	C04000	C-40.....	Volume 2 - 231
44	05	05	C13000	C-130.....	Volume 2 - 237
45	05	05	C1300J	C-130J MODS.....	Volume 2 - 243
46	05	05	C13500	C-135.....	Volume 2 - 249
47	05	05	CALL00	COMPASS CALL Mods.....	Volume 2 - 257
48	05	05	DARP01	RC-135.....	Volume 2 - 267
49	05	05	E00300	E-3.....	Volume 2 - 281

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
50	05	05	E00400	E-4.....	Volume 2 - 289
51	05	05	E00800	E-8.....	Volume 2 - 299
52	05	05	E34045	Airborne Warning and Control System.....	Volume 2 - 305
53	05	05	FBLOST	Family of Beyond Line-of-Sight Terminals.....	Volume 2 - 313
54	05	05	H00100	H-1.....	Volume 2 - 319
55	05	05	H0106O	UH-1N Replacement.....	Volume 2 - 321
56	05	05	H06000	H-60.....	Volume 2 - 327
57	05	05	HAWK00	RQ-4 MODS.....	Volume 2 - 345
58	05	05	HCMC00	HC/MC-130 Modifications.....	Volume 2 - 369
59	05	05	OTHACF	Other Aircraft.....	Volume 2 - 381
60	05	05	PRDT01	MQ-1 Mods.....	Volume 2 - 391
62	05	05	RQ4GCM	RQ-4 GSRA/CSRA Mods.....	Volume 2 - 393
63	05	05	V02200	CV-22 MODS.....	Volume 2 - 395
76	05	05	PRDTB2	MQ-9 MODS.....	Volume 2 - 441

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

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

Line Item Title	Line Item Number	Line #	BA	BSA	Page
A-10	A01000	21	05	02.....	Volume 2 - 47
Airborne Warning and Control System	E34045	52	05	05.....	Volume 2 - 305
B-1B	B01B00	18	05	01.....	Volume 2 - 9
B-2A	B00200	17	05	01.....	Volume 2 - 1
B-52	B05200	19	05	01.....	Volume 2 - 21
C-12	C01200	40	05	05.....	Volume 2 - 217
C-130	C13000	44	05	05.....	Volume 2 - 237
C-130J MODS	C1300J	45	05	05.....	Volume 2 - 243
C-135	C13500	46	05	05.....	Volume 2 - 249
C-17A	C01700	30	05	03.....	Volume 2 - 143
C-20 Mods	C02000	41	05	05.....	Volume 2 - 219
C-21	C02100	31	05	03.....	Volume 2 - 155
C-32A	C03200	32	05	03.....	Volume 2 - 161
C-37A	C03700	33	05	03.....	Volume 2 - 171
C-40	C04000	43	05	05.....	Volume 2 - 231
C-5	C00500	28	05	03.....	Volume 2 - 127
C-5M	C005M0	29	05	03.....	Volume 2 - 135

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
C-5M, Advance Procurement	C005M0	0	05	03.....	
COMPASS CALL Mods	CALL00	47	05	05.....	Volume 2 - 257
CV-22 MODS	V02200	63	05	05.....	Volume 2 - 395
E-3	E00300	49	05	05.....	Volume 2 - 281
E-4	E00400	50	05	05.....	Volume 2 - 289
E-8	E00800	51	05	05.....	Volume 2 - 299
F-15	F01500	22	05	02.....	Volume 2 - 51
F-16	F01600	23	05	02.....	Volume 2 - 75
F-22A	F02200	24	05	02.....	Volume 2 - 85
F-35 Modifications	F03500	25	05	02.....	Volume 2 - 99
Family of Beyond Line-of-Sight Terminals	FBLOST	53	05	05.....	Volume 2 - 313
GLIDER Mods	GLID00	34	05	04.....	Volume 2 - 179
H-1	H00100	54	05	05.....	Volume 2 - 319
H-60	H06000	56	05	05.....	Volume 2 - 327
HC/MC-130 Modifications	HCMC00	58	05	05.....	Volume 2 - 369
Increment 3.2b	F2232B	27	05	02.....	Volume 2 - 117
Increment 3.2b, Advance Procurement	F2232B	26	05	02.....	Volume 2 - 123
KC-10A (ATCA)	C01000	39	05	05.....	Volume 2 - 215
Large Aircraft Infrared Countermeasures	LAIRCM	20	05	01.....	Volume 2 - 35
MQ-1 Mods	PRDT01	60	05	05.....	Volume 2 - 391

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
MQ-9 MODS	PRDTB2	76	05	05.....	Volume 2 - 441
Other Aircraft	OTHACF	59	05	05.....	Volume 2 - 381
RC-135	DARP01	48	05	05.....	Volume 2 - 267
RQ-4 GSRA/CSRA Mods	RQ4GCM	62	05	05.....	Volume 2 - 393
RQ-4 MODS	HAWK00	57	05	05.....	Volume 2 - 345
T-1	T00100	36	05	04.....	Volume 2 - 191
T-38	T03800	37	05	04.....	Volume 2 - 197
T-6	JPAT00	35	05	04.....	Volume 2 - 181
U-2 Mods	11U200	38	05	05.....	Volume 2 - 209
UH-1N Replacement	H0106O	55	05	05.....	Volume 2 - 321
VC-25A Mod	C02500	42	05	05.....	Volume 2 - 221

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Lookup Matrix by Model

Model:	B-2	
Modification P-40a Aggregated Items Title:	B-2A	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	Proximity Sensor Logic Unit PROM Replacement	No
2	EHF SATCOM and Computers	No
3	B-2 Trainer System Upgrade	No
4	LINK 16/CID/IFR	No
5	RADAR SYSTEM MODIFICATION	No
6	LOW OBSERVABLE SIGNATURE AND SUPPORTABILITY MODS	No
7	B-2 Massive Ordnance Penetrator (MOP) Integration	No
8	B-2 Adaptable Communications Suite (ACS)	No
9	LOSSM - Structures	No
10	110052 LOSSM - Materials	No
11	LOSSM - Diagnostics	No
12	B-2 Flex Strike Phase 1	No
13	B61-12 Integration	No
14	B-2 Low Cost Engine Modifications	No
15	LOW COST MODIFICATIONS	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
8882	Common Very Low Frequency Terminal	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	B-1B	
Modification P-40a Aggregated Items Title:	B-1B	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	Self Contained Attitude Indicator	No
2	Gyro Stabilization System (GSS)	No
3	Inertial Navigation System (INS)	No
4	B-1 TRAINING SUPPORT	No
5	Digital Communications	No
6	RADAR IMPROVEMENT UPGRADE	No
7	B-1 Link 16 Crypto	No
8	LAPTOP CONTROLLED TARGETING POD	No
9	B-1 Modified Antenna Select	No
11	LOW COST MODIFICATIONS	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
4280	Fully Integrated Data Links	No
4284	CITS UPGRADE	No
8971	VERTICAL SITUATION DISPLAYS	No

Model:	B1-B	
Modification P-40a Aggregated Items Title:	B-1B	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	B1-B	
Modification P-40a Aggregated Items Title:	B-1B	
Item Number	Item Title	Applies to Multiple Models
10	F101 Engine SLEP	No

Model:	B-52H	
Modification P-40a Aggregated Items Title:	B-52	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	Enhanced Data Link (EDL)	No
2	Multi-Mode Receiver-2020 Instrument landing System	No
3	B-52 Anti-Skid Replacement	No
4	ADVANCED WEAPON INTEGRATION	No
5	AETC Trainers (B-52)	No
6	B-52 Structures	No
7	System Effectiveness and Evolutionary Requirements	No
8	B-52 New Start Treaty	No
9	B-52 Mode S/5	No
10	B-52 Low Cost Mods	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
3310	B-52 Combat Network Communications Technology	No
6884	B-52 Internal Weapons Bay Upgrade	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	C-130	
Modification P-40a Aggregated Items Title:	Large Aircraft Infrared Countermeasures	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130	No
Modification P-40a Aggregated Items Title:	C-130	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
4	C-130 8-Bladed Propeller Upgrade	No
9	Electronic Propeller Controll System (EPCS)	No
13	C-130 GENERATOR DISCONNECT INSTALLATION WR-98-004	Yes
16	Mode S & 8.33 MHz Upgrades	No
18	LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	Yes
22	NOISE CANCELLATION SYSTEM	No
25	MOD V IFF	No
28	Tactics/Threat Generation System	No
32	ENGINE OIL COOLER	No
36	AFR C-130 Fuselage Trainer Modification	No
45	T-56 3.5 Engine Mod	No
48	LOW COST SAFETY MODIFICATIONS	No
50	MISC SIMULATOR UPDATES	No
51	SERVICE BULLETINS	No
52	LOW COST MODIFICATIONS	No
53	ELT UPGRADE	Yes

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	C-130		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
54	ANG SENIOR SCOUT	No	

Model:	C130J		
Modification P-40a Aggregated Items Title:	Large Aircraft Infrared Countermeasures		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
2	LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J	No	

Model:	C-5B		
Modification P-40a Aggregated Items Title:	Large Aircraft Infrared Countermeasures		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
3	LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5	Yes	
Modification P-40a Aggregated Items Title:	C-5		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
2	C-5 RELIABILITY ENHANCEMENT & REENGINEING PROGRAM (RERP)	Yes	
3	LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	Yes	
5	C-5 Fleet Bk Upgrade 01	Yes	
8	LOW COST MODIFICATIONS	Yes	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	C-5C	
Modification P-40a Aggregated Items Title:	Large Aircraft Infrared Countermeasures	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
3	LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5	Yes
Modification P-40a Aggregated Items Title:	C-5	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	COMPARTMENT FLOOR CORROSION PREVENTION	Yes
2	C-5 RELIABILITY ENHANCEMENT & REENGINEING PROGRAM (RERP)	Yes
4	Defensive System Installation	Yes
5	C-5 Fleet Blk Upgrade 01	Yes
8	LOW COST MODIFICATIONS	Yes

Model:	C-5M	
Modification P-40a Aggregated Items Title:	Large Aircraft Infrared Countermeasures	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
3	LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5	Yes
Modification P-40a Aggregated Items Title:	C-5	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	COMPARTMENT FLOOR CORROSION PREVENTION	Yes
3	LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	Yes
5	C-5 Fleet Blk Upgrade 01	Yes

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	C-5M	
Modification P-40a Aggregated Items Title:	C-5	
Item Number	Item Title	Applies to Multiple Models
6	Mission Computer and Weather Radar	No
7	Mode 5 Swift Broadband BLOS/LOS Radio	No
8	LOW COST MODIFICATIONS	Yes
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
8966	C-5 Mission Systems Equipment- Lavatory	No

Model:	MC-130J	
Modification P-40a Aggregated Items Title:	Large Aircraft Infrared Countermeasures	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
4	LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/MC-130 Recap	Yes
Modification P-40a Aggregated Items Title:	HC/MC-130 Modifications	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	HC/MC-130J Block 8.1	Yes
2	LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	Yes
7	LOW COST MODIFICATIONS	Yes
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
8632	MC-130J Increment 2	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	HC-130J	
Modification P-40a Aggregated Items Title:	Large Aircraft Infrared Countermeasures	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
4	LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/MC-130 Recap	Yes
Modification P-40a Aggregated Items Title:	HC/MC-130 Modifications	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	HC/MC-130J Block 8.1	Yes
2	LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	Yes
3	HC-130J Personnel Locator System	No
4	HC-130J Situational Awareness	No
5	HC-130J Special Airborne Mission Installation Response (SABIR)	No
6	HC-130J Wireless Intercom	No
7	LOW COST MODIFICATIONS	Yes
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
8634	HC-130J Common Configuration	No
8638	HC-130J Variable Speed Drogue	No

Model:	C-17	
Modification P-40a Aggregated Items Title:	C-17A	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	Pylon Stub FFLZ, FF, Translating Fairing	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	C-17	
Modification P-40a Aggregated Items Title:	C-17A	
Item Number	Item Title	Applies to Multiple Models
2	ELT Frequency Change	No
3	MFOQA	No
4	Replacement Heads Up Display (RHUD)	No
5	C-17 Sim Threat Generator	No
6	Block 13 to 17 Retrofit	No
7	AIRLIFT DEFENSIVE SYSTEMS-COUNTERMEASURES	No
8	NEXT GEN CNS/ATM	No
9	OBIGGS II	No
10	OBIGGS II Filter Fire Mitigation (2.1)	No
11	Extended Range Retrofit/OBIGGS II	No
12	LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	No
13	Mobility Air Force Dynamic Retasking Capability (MAF DRC)	No
15	LOW COST MODIFICATIONS	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1	LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17	No
1508	IFF GATM Mode 5	No
9739	ILS Identification and Flight Control Computer Updates	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	A-10	
Modification P-40a Aggregated Items Title:	A-10	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	DIGITAL DATA LINK	No
2	TEMS/ADR	No
3	MODE S/5	No
4	ONBOARD OXYGEN GENERATING SYSTEM (OBOGS)	No
5	Extended Duration Covert Infrared Countermeasures System	No
6	A-10 Secure Line of Sight/Beyond Line of Sight	No
7	A-10 Wing Replacement Program	No
8	PRECISION ENGAGEMENT	No
9	A-10 Helmet Mounted Cuing System	No
Modification P-40a Aggregated Items Title:	Other Aircraft	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
6	Sniper CMDL Backback Kits and Datalogger Purchase	Yes
14	LOW COST MODIFICATIONS - TARGETING PODS	Yes
18	COMMON MISSILE WARNING SYSTEM	No

Model:	A/OA-10	
Modification P-40a Aggregated Items Title:	A-10	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
10	LOW COST SAFETY MODIFICATIONS	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	A/OA-10	
Modification P-40a Aggregated Items Title:	A-10	
Item Number	Item Title	Applies to Multiple Models
11	LOW COST MODIFICATIONS	No

Model:	F-15C	
Modification P-40a Aggregated Items Title:	F-15	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	F-15C Avionics Replacement	Yes
2	SECONDARY POWER UPGRADE A-D	Yes
3	C/D Secondary Power System	Yes
5	C/D Flight Data Recorder (FDR)	Yes
7	APG-63V(1) RADAR UPGRADE	Yes
11	F-15 A/D DIGITAL VIDEO RECORDER	Yes
13	TEWS INTERMEDIATE SUPPORT SYSTEM (TISS) A-E	Yes
14	E IFF MODE 5	Yes
15	Link 16 Cryptographic Modernization (CMI)	Yes
17	F-15C/D Beyond Line Of Sight Communications	No
19	EPAWSS-C/D	No
20	F-15C Passive Attack Sensor System	No
21	5th to 4th Gen Gateway	Yes
22	MISC ENGINE UPDATE MODS	Yes
24	LOW COST MODIFICATIONS	Yes

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	F-15C	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1205	:Advanced Display Core Processor, ADCP II-C	Yes
6158	F-15C/D APG-63(V)3 radar upgrade	Yes
8799	F-15C MIDS JTRS	No

Model:	F-15D	
Modification P-40a Aggregated Items Title:	F-15	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	F-15C Avionics Replacement	Yes
2	SECONDARY POWER UPGRADE A-D	Yes
3	C/D Secondary Power System	Yes
5	C/D Flight Data Recorder (FDR)	Yes
7	APG-63V(1) RADAR UPGRADE	Yes
11	F-15 A/D DIGITAL VIDEO RECORDER	Yes
13	TEWS INTERMEDIATE SUPPORT SYSTEM (TISS) A-E	Yes
14	E IFF MODE 5	Yes
15	Link 16 Cryptographic Modernization (CMI)	Yes
21	5th to 4th Gen Gateway	Yes
22	MISC ENGINE UPDATE MODS	Yes
24	LOW COST MODIFICATIONS	Yes

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	F-15D	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1205	:Advanced Display Core Processor, ADCP II-C	Yes
6158	F-15C/D APG-63(V)3 radar upgrade	Yes

Model:	F-15A	
Modification P-40a Aggregated Items Title:	F-15	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
2	SECONDARY POWER UPGRADE A-D	Yes
11	F-15 A/D DIGITAL VIDEO RECORDER	Yes
13	TEWS INTERMEDIATE SUPPORT SYSTEM (TISS) A-E	Yes
22	MISC ENGINE UPDATE MODS	Yes
24	LOW COST MODIFICATIONS	Yes

Model:	F-15B	
Modification P-40a Aggregated Items Title:	F-15	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
2	SECONDARY POWER UPGRADE A-D	Yes
11	F-15 A/D DIGITAL VIDEO RECORDER	Yes
13	TEWS INTERMEDIATE SUPPORT SYSTEM (TISS) A-E	Yes
22	MISC ENGINE UPDATE MODS	Yes

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	F-15B		
Modification P-40a Aggregated Items Title:	F-15		
Item Number	Item Title	Applies to Multiple Models	
24	LOW COST MODIFICATIONS	Yes	

Model:	F-15E		
Modification P-40a Aggregated Items Title:	F-15		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
4	E Secondary Power System	No	
6	F-15E Flight Data Recorder (FDR)	No	
8	PROGRAMMABLE ARMAMENT CONTROL SET	No	
9	F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM	No	
10	AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	No	
12	F-15E DIGITAL VIDEO RECORDER	No	
13	TEWS INTERMEDIATE SUPPORT SYSTEM (TISS) A-E	Yes	
14	E IFF MODE 5	Yes	
15	Link 16 Cryptographic Modernization (CMI)	Yes	
16	F-15E BLOS/SLOS	No	
18	EPAWSS-E	No	
22	MISC ENGINE UPDATE MODS	Yes	
23	LOW COST RETROFIT MODS	No	
Modification P-40a Aggregated Items Title:	Other Aircraft		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	F-15E	
Modification P-40a Aggregated Items Title:	Other Aircraft	
Item Number	Item Title	Applies to Multiple Models
14	LOW COST MODIFICATIONS - TARGETING PODS	Yes
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1202	F-15E Radar Modernization Program APG-82(V)1	No
1	Advanced Display Core Processor, ADCP II-E	No
8800	F-15E MIDS JTRS	No

Model:	F-16	
Modification P-40a Aggregated Items Title:	F-16	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	MMC and Display Generator Upgrade	No
2	FALCON STAR	No
3	F-16 LEGACY STRUCTURAL SLEP	No
4	Mode 5 Identification	No
5	DIGITAL FLIGHT CONTROL COMPUTER	No
6	ADVANCED DATA TRANSFER EQUIPMENT	No
8	Situational Awareness Data Link (SADL)	No
9	AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	No
11	LOW COST MODIFICATIONS	No
12	F-110 Engine Fire Seal Mod	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	F-16		
Modification P-40a Aggregated Items Title:	Other Aircraft		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
4	Full Combat Mission Training	No	
6	Sniper CMDL Backback Kits and Datalogger Purchase	Yes	
10	Theatre Airborne Reconnaissance System (TARS)	No	
14	LOW COST MODIFICATIONS - TARGETING PODS	Yes	
P-3a Individual Modifications			
Modification Number	Modification Title	Applies to Multiple Models	
661653	MIDS-JTRS	No	
661652	Link 16 Crypto	No	

Model:	F-16C		
Modification P-40a Aggregated Items Title:	F-16		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
7	ON BOARD OXYGEN GENERATION SYSTEM (OBOGS)	Yes	

Model:	F-16D		
Modification P-40a Aggregated Items Title:	F-16		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
7	ON BOARD OXYGEN GENERATION SYSTEM (OBOGS)	Yes	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	F-16 Training Systems	
Modification P-40a Aggregated Items Title:	F-16	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
10	F-16 TRAINING SYSTEMS	No

Model:	F-22	
Modification P-40a Aggregated Items Title:	F-22A	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	COMMON CONFIGURATION	No
2	INCREMENT 3.1	No
3	Low Cost Mod Weapon System	No
4	Trainers Modernization	No
5	Crypto Modernization	No
6	Tactical Mandates	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1	Reliability and Maintainability Maturation Program	No
2	F119 Engine Modifications	No
3	Structures Retrofit Plan	No
11100	INCREMENT 3.2B	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	F-35A	
Modification P-40a Aggregated Items Title:	F-35 Modifications	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	Block 2B OT Upgrade	No
2	Block 3F LRIP 6-8 Upgrade	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1	Block 3i LRIP 2-5 Upgrade	No
2	Block 3F LRIP 2-5 Upgrade	No
3	Concurrency	No

Model:	C-5A	
Modification P-40a Aggregated Items Title:	C-5	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	COMPARTMENT FLOOR CORROSION PREVENTION	Yes
4	Defensive System Installation	Yes

Model:	C-5B/C	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
6154	C-5 Reliability Enhancement and Re-Engining Program	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	The Boeing Company	
Modification P-40a Aggregated Items Title:	C-17A	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
14	Fixed Installation Satellite Antenna (FISA 2)	No

Model:	C-21A	
Modification P-40a Aggregated Items Title:	C-21	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	SERVICE BULLETINS	No
2	LOW COST MODIFICATIONS	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1100	Avionics Upgrades and FAA Mandates	No

Model:	C-32A	
Modification P-40a Aggregated Items Title:	C-32A	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	CNS/ATM Compliance	No
2	SERVICE BULLETINS	No
4	LOW COST MODIFICATIONS	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	C-32A	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1110	Nitrogen Generation System	No
1116	WIDEBAND SATCOM	No

Model:	C-32B	
Modification P-40a Aggregated Items Title:	C-32A	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
3	99999SG - Service Bulletins - C-32B	No
5	99999XG - Low Cost Mods - C-32B	No

Model:	C-37A; C-37B	
Modification P-40a Aggregated Items Title:	C-37A	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	SERVICE BULLETINS	No
2	LOW COST MODIFICATIONS	No

Model:	C-37A	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1117	WIDEBAND SATCOM	Yes

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	C-37B	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1117	WIDEBAND SATCOM	Yes

Model:	C-37	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1118	CNS/ATM Compliance	No

Model:	TG-15	
Modification P-40a Aggregated Items Title:	GLIDER Mods	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	LOW COST MODIFICATIONS	Yes

Model:	TG-16	
Modification P-40a Aggregated Items Title:	GLIDER Mods	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	LOW COST MODIFICATIONS	Yes

Model:	UV-18	
Modification P-40a Aggregated Items Title:	GLIDER Mods	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model: UV-18		
Modification P-40a Aggregated Items Title: GLIDER Mods		
Item Number	Item Title	Applies to Multiple Models
1	LOW COST MODIFICATIONS	Yes

Model: T-41		
Modification P-40a Aggregated Items Title: GLIDER Mods		
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	LOW COST MODIFICATIONS	Yes

Model: T-51		
Modification P-40a Aggregated Items Title: GLIDER Mods		
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	LOW COST MODIFICATIONS	Yes

Model: T-53		
Modification P-40a Aggregated Items Title: GLIDER Mods		
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	LOW COST MODIFICATIONS	Yes

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	T-6A	
Modification P-40a Aggregated Items Title:	T-6	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	Landing Gear Shimmy	No
2	Power Control Lever	No
3	OBOGS Low Pressure Switch and Concentrator	No
4	Landing Gear Door Spring Housing, Bellcrank & Pushrods	No
5	IDARS-MFOQA	No
6	ATD Visual System Retrofit	No
7	Avionics Obsolesence	No
8	Traffic Advisory System	No
9	COCKPIT UPGRADES	No
10	Canopy Fracture Initiation System	No
11	LANDING GEAR HANDLE REDESIGN	No
12	AIRFRAME STRUCTURAL IMPROVEMENTS	No
13	LOW COST MODIFICATIONS	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
9877	Avionics Upgrades FAA Compliance	No
9878	Aircrew Training Device (ATD) Digital Acquisition System (DAS-II) and Electronic Control Loading ...	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	T-1A	
Modification P-40a Aggregated Items Title:	T-1	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	COMBAT SYSTEMS OFFICER (CSO) TRAINING	No
2	LOW COST MODIFICATIONS	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
8997	Avionics Modification	No

Model:	T-38	
Modification P-40a Aggregated Items Title:	T-38	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	T-38 ESCAPE SYSTEM UPGRADE	No
2	VDTS/SBIS	No
3	LOW COST SAFETY MODIFICATIONS	No
4	LOW COST MODIFICATIONS	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
6088	Pacer Classic III	No
6090	T-38C Avionics Post Production Support (APPS)	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	U-2	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
4494	U-2 Mod	No

Model:	KC-10	
Modification P-40a Aggregated Items Title:	KC-10A (ATCA)	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	CNS/ATM	No
2	Boom Control Unit (BCU)	No
3	Mode 5	No
4	Visual System Replacement (VSR)	No
5	UHF SATCOM Antenna	No
6	GATM Phase II	No
7	LOW COST SAFETY MODIFICATIONS	No
8	SERVICE BULLETINS	No
9	LOW COST MODIFICATIONS	No
10	SIMULATOR UPGRADE (KC-10)	No

Model:	C-12	
Modification P-40a Aggregated Items Title:	C-12	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	SERVICE BULLETINS	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	C-12		
Modification P-40a Aggregated Items Title:	C-12		
Item Number	Item Title	Applies to Multiple Models	
2	LOW COST MODIFICATIONS	No	

Model:	C-20		
Modification P-40a Aggregated Items Title:	C-20 Mods		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
1	SERVICE BULLETINS	No	
2	LOW COST MODIFICATIONS	No	

Model:	VC-25A		
Modification P-40a Aggregated Items Title:	VC-25A Mod		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
1	C-25 Avionics Modernization Program	No	
2	Nitrogen Generation System	No	
3	SERVICE BULLETINS	No	
4	LOW COST MODIFICATIONS	No	
P-3a Individual Modifications			
Modification Number	Modification Title	Applies to Multiple Models	
9714	WIDEBAND SATCOM	No	
9715	VC-25 Block Upgrade	No	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	C-40B		
Modification P-40a Aggregated Items Title:	C-40		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
1	Nitrogen Generation System	Yes	
3	SERVICE BULLETINS	Yes	
4	LOW COST MODIFICATIONS	Yes	
P-3a Individual Modifications			
Modification Number	Modification Title	Applies to Multiple Models	
1118	WIDEBAND SATCOM	Yes	

Model:	C-40C		
Modification P-40a Aggregated Items Title:	C-40		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
1	Nitrogen Generation System	Yes	
3	SERVICE BULLETINS	Yes	
4	LOW COST MODIFICATIONS	Yes	
P-3a Individual Modifications			
Modification Number	Modification Title	Applies to Multiple Models	
1118	WIDEBAND SATCOM	Yes	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	C-40		
Modification P-40a Aggregated Items Title:	C-40		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
2	CNS/ATM Compliance	No	

Model:	C-130H		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
1	PODDED RECONNAISSANCE SYSTEM	No	
2	AUTOPILOT/GCAS	Yes	
3	ELECTRICAL SYSTEM UPGRADE	Yes	
5	ENGINES	No	
6	ALR-69 (RWR)	Yes	
8	INSTALLATION OF AN/APN-241	Yes	
10	C-130 AVIONICS MODERNIZATION PROGRAM (AMP)	No	
11	ENHANCED TCAS (TCAS II)	Yes	
12	SYNCHROPHASER WIRE (C-130)	Yes	
15	C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)	Yes	
31	Armor Plate	No	
33	Square Window Troop Door	No	
34	C-130 Aux Hyd Pump	Yes	
35	Real Time Information in the Cockpit (RTIC) Kits	No	
37	C-130 VAAP Increment 1	No	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	C-130H		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
38	8.33 kHz Radios -- Minimize C-130 CNS/ATM Program	No	
39	CVR/DVR -- Minimize C-130 CNS/ATM Program	No	

Model:	C-130E		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
2	AUTOPILOT/GCAS	Yes	
3	ELECTRICAL SYSTEM UPGRADE	Yes	
6	ALR-69 (RWR)	Yes	
11	ENHANCED TCAS (TCAS II)	Yes	
12	SYNCHROPHASER WIRE (C-130)	Yes	

Model:	C-130N		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
2	AUTOPILOT/GCAS	Yes	
3	ELECTRICAL SYSTEM UPGRADE	Yes	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	C-130P		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
2	AUTOPILOT/GCAS	Yes	
3	ELECTRICAL SYSTEM UPGRADE	Yes	

Model:	C-130U		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
2	AUTOPILOT/GCAS	Yes	
3	ELECTRICAL SYSTEM UPGRADE	Yes	

Model:	HC-130N		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
7	AN/AAQ-22M (FLIR)	Yes	
11	ENHANCED TCAS (TCAS II)	Yes	
15	C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)	Yes	
53	ELT UPGRADE	Yes	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	HC-130P		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
7	AN/AAQ-22M (FLIR)	Yes	
8	INSTALLATION OF AN/APN-241	Yes	
11	ENHANCED TCAS (TCAS II)	Yes	
15	C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)	Yes	
53	ELT UPGRADE	Yes	

Model:	LC-130H		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
8	INSTALLATION OF AN/APN-241	Yes	
11	ENHANCED TCAS (TCAS II)	Yes	

Model:	EC-130H		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
8	INSTALLATION OF AN/APN-241	Yes	
11	ENHANCED TCAS (TCAS II)	Yes	
15	C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)	Yes	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	EC-130H	
Modification P-40a Aggregated Items Title:	COMPASS CALL Mods	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	COMPASS CALL Baseline 4	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1001	COMPASS CALL	Yes
1003	COMPASS CALL Baseline 3	No

Model:	MC-130H	
Modification P-40a Aggregated Items Title:	C-130	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
11	ENHANCED TCAS (TCAS II)	Yes
15	C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)	Yes
23	AC-130 OUTER WING REPLACEMENT	Yes
34	C-130 Aux Hyd Pump	Yes

Model:	MC-130P	
Modification P-40a Aggregated Items Title:	C-130	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
11	ENHANCED TCAS (TCAS II)	Yes

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	MC-130P		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
24	HC-130 8.33 RADIOS	Yes	

Model:	AC-130U		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
11	ENHANCED TCAS (TCAS II)	Yes	
15	C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)	Yes	

Model:	AC-130H		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
11	ENHANCED TCAS (TCAS II)	Yes	
23	AC-130 OUTER WING REPLACEMENT	Yes	

Model:	MC-130E		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
11	ENHANCED TCAS (TCAS II)	Yes	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	EC-130E	
Modification P-40a Aggregated Items Title:	C-130	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
13	C-130 GENERATOR DISCONNECT INSTALLATION WR-98-004	Yes

Model:	MC-130	
Modification P-40a Aggregated Items Title:	C-130	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
14	ALE-47 CHAFF AND FLARE DISPENSER	Yes
29	MC Combined CARA/ETCAS	No

Model:	AC-130	
Modification P-40a Aggregated Items Title:	C-130	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
14	ALE-47 CHAFF AND FLARE DISPENSER	Yes
18	LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	Yes

Model:	MH-53	
Modification P-40a Aggregated Items Title:	C-130	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
14	ALE-47 CHAFF AND FLARE DISPENSER	Yes

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	MH-53	
Modification P-40a Aggregated Items Title:	Other Aircraft	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
8	MH-53 IFF APX-118	No

Model:	SOF C-130	
Modification P-40a Aggregated Items Title:	C-130	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
17	ALR-69 UPGRADE	No

Model:	HC-130	
Modification P-40a Aggregated Items Title:	C-130	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
19	HC-130P/N Personal Locator System	No
20	HC-130 Integrated Electronic Warfare (EW) Suite	No
21	AAR-47 Sensor Upgrade	No
26	C-130 DUAL RAILS	Yes
27	C-130 CRASHWORTHY LOADMASTER SEAT	No
40	HC-130 Crashworthy Seats	No
41	HC-130 T-1 Mods	No
44	HC-130 SABIR	No
47	HC-130P/N Variable Speed Drogue (VSD)	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	HC-130		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
49	HC-130 Low Cost Mods	No	

Model:	MC-130W		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
23	AC-130 OUTER WING REPLACEMENT	Yes	
30	Blue Force Tracker	No	
34	C-130 Aux Hyd Pump	Yes	

Model:	HC-130P/N		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
24	HC-130 8.33 RADIOS	Yes	

Model:	WC-130H		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
26	C-130 DUAL RAILS	Yes	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	AC-130W		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
42	AC-130W Radar Pods	No	
43	AC-130W Hellfire Capability	No	

Model:	HC-130H		
Modification P-40a Aggregated Items Title:	C-130		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
46	Onboard Fire Incident Response Equipment	No	

Model:	C-130J		
Modification P-40a Aggregated Items Title:	C-130J MODS		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
1	C-130J Tactics Training	No	
2	Avionics System and Structural Modifications	No	
3	Wind Gust Brake	No	
4	C-130J BLOCK 7.0 UPGRADES	No	
5	LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	No	
6	C-130J Center Wing Replacement	No	
7	Dynamic Retasking Capability	No	
8	LOW COST MODIFICATIONS	No	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	C-130J	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
5222	BLOCK 8.0	No

Model:	C/KC-135	
Modification P-40a Aggregated Items Title:	C-135	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	STANDARD FLIGHT DATA RECORDER	No
2	C-135 REENGINE	No
3	FLIGHT DATA RECORDER & COCKPIT VOICE RECORDER	No
4	PACER CRAG (COMPASS, RADAR, AND GPS)	No
5	ENHANCED MODE S	No
6	GATM Phase II	No
7	CONTROL COLUMN ACTUATOR BRAKE (CCAB)	No
8	BOWST	No
9	MODE 5	No

Model:	KC-135	
Modification P-40a Aggregated Items Title:	C-135	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
10	VOR/ILS ANTENNAE	No
11	Visual System Replacement (VSR)	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	KC-135	
Modification P-40a Aggregated Items Title:	C-135	
Item Number	Item Title	Applies to Multiple Models
13	ADS-B	No
15	LOW COST SAFETY MODIFICATIONS	No
16	LOW COST MODIFICATIONS	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
8653	BLOCK 45	No

Model:	C-135	
Modification P-40a Aggregated Items Title:	C-135	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
12	APU Oil Cooler	No
14	Digital Visual Imaging System	No

Model:	TC-130H	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1001	COMPASS CALL	Yes

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	RC-135S		
P-3a Individual Modifications			
Modification Number	Modification Title		Applies to Multiple Models
2504	COBRA BALL		Yes

Model:	TC-135W		
P-3a Individual Modifications			
Modification Number	Modification Title		Applies to Multiple Models
2504	COBRA BALL		Yes
4263	RIVET JOINT		Yes

Model:	RC-135V		
P-3a Individual Modifications			
Modification Number	Modification Title		Applies to Multiple Models
4263	RIVET JOINT		Yes

Model:	RC-135W		
P-3a Individual Modifications			
Modification Number	Modification Title		Applies to Multiple Models
4263	RIVET JOINT		Yes

Model:	RC-135U		
P-3a Individual Modifications			
Modification Number	Modification Title		Applies to Multiple Models
4265	COMBAT SENT		No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	E-3	
Modification P-40a Aggregated Items Title:	E-3	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	TSI	No
2	BLOCK 40/45 UPGRADE	No
5	AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	No
6	RM&A Mod	No
8	VERTICAL STABILIZER AND RUDDER	No
9	ELECTRONIC PROTECTION	No
10	IP-enabled Capability (IPEC)	No
11	Combat ID Diminishing Manufacturing Sources	No
12	LOW COST MOD - AIRFRAME	No
13	LOW COST MOD - AVIONICS & MISSION SYSTEMS	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
7225	NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)	No
1	BLOCK 40/45 BLOCK UPGRADE	No
3472	C2ISR TDL	Yes

Model:	E-3B	
Modification P-40a Aggregated Items Title:	E-3	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
3	NAVWAR	Yes

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	E-3B		
Modification P-40a Aggregated Items Title:	E-3		
Item Number	Item Title	Applies to Multiple Models	
4	INTEGRATED DAMA GATM	Yes	
7	E-3 DRAGON	Yes	

Model:	E-3C		
Modification P-40a Aggregated Items Title:	E-3		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
3	NAVWAR	Yes	
4	INTEGRATED DAMA GATM	Yes	
7	E-3 DRAGON	Yes	

Model:	E-4B		
Modification P-40a Aggregated Items Title:	E-4		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
1	Crypto Modernization	No	
2	NPES (NC2AIS) E-4B	No	
3	Message Processing System (MPS)	No	
4	SHF MUX UPGRADE	No	
5	Global Summary Message	No	
6	Secure Voice Crypto	No	
7	AIU Modernization	No	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	E-4B		
Modification P-40a Aggregated Items Title:	E-4		
Item Number	Item Title	Applies to Multiple Models	
8	Low Frequency Transmit System (LFTS)	No	
9	E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I	No	
10	CNS/ATM(ADS-B OUT)	No	
11	SERVICE BULLETINS	No	
P-3a Individual Modifications			
Modification Number	Modification Title	Applies to Multiple Models	
1	SHF Modernization	No	
2	AEHF Compatible Terminal/PNVC	No	

Model:	E-4		
Modification P-40a Aggregated Items Title:	E-4		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
12	LOW COST MODIFICATIONS	No	
P-3a Individual Modifications			
Modification Number	Modification Title	Applies to Multiple Models	
1	Family of Beyond Line-of-Sight Terminals	Yes	

Model:	E-8C		
Modification P-40a Aggregated Items Title:	E-8		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	E-8C	
Modification P-40a Aggregated Items Title:	E-8	
Item Number	Item Title	Applies to Multiple Models
1	JSTARS Re-engining	No
2	RELIABILITY, MAINTAINABILITY, AVAILABILITY (RMA) and FLEET RETROFIT MODS	No
3	KILL CHAIN ENHANCEMENT MODIFICATIONS	No
4	JTRS INTEGRATION	No
5	Enhanced Land Maritime Mode (ELMM)	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
38198	Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)	No
3472	C2ISR TDL	Yes

Model:	E-6	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
1	Family of Beyond Line-of-Sight Terminals	Yes

Model:	UH-1N	
Modification P-40a Aggregated Items Title:	H-1	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	UH-1N SIMULATOR UPGRADE	No
3	TRAFFIC ALERT & COLLISION AVOIDANCE SYSTEM	No
4	UH-1N Safety Modifications	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	UH-1N		
Modification P-40a Aggregated Items Title:	H-1		
Item Number	Item Title	Applies to Multiple Models	
5	AETC FLIR	No	
6	USMC Missionization	No	
7	Simulator Concurrency	No	
8	LOW COST MODIFICATIONS	Yes	

Model:	UH-1H		
Modification P-40a Aggregated Items Title:	H-1		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
2	HUEY II MODERNIZATION	Yes	
8	LOW COST MODIFICATIONS	Yes	

Model:	TH-1H		
Modification P-40a Aggregated Items Title:	H-1		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
2	HUEY II MODERNIZATION	Yes	
8	LOW COST MODIFICATIONS	Yes	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	UH-1N Replacement Helicopter	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
8910	UH-1N Replacement	No

Model:	HH-60G	
Modification P-40a Aggregated Items Title:	H-60	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	ALTITUDE HOLD AND HOVER SYSTEM (AHHS)	No
3	SERVICE LIFE EXTENSION PROGRAM	No
4	LIGHTWEIGHT AIRBORNE RECOVERY SYSTEM V12 UPGRADE	No
5	Control Display Unit (CDU)	No
6	Navigation System Upgrade (NSU)	No
7	Vibration Monitoring System (VMS)	No
8	Situation Awareness Data-Link	No
9	Multi-function Color Display	No
10	MODE 5	No
11	Gun Replacement	No
12	CSAR Avionics/Electrical Upgrade	No
13	DEFENSIVE SYSTEM UPGRADE	No
14	Ballistic Protection Enhancement	No
15	SERVICE BULLETINS	No
16	LOW COST MODIFICATIONS	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	HH-60G	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
8854	HH-60 OLR Mission Modifications	No
8856	Block 162	No
8857	Rotor Brake	No

Model:	HH-60 Sim	
Modification P-40a Aggregated Items Title:	H-60	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
2	KIRTLAND SIM UPGRADES	No

Model:	RQ-4	
Modification P-40a Aggregated Items Title:	RQ-4 MODS	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	GH Aircraft Mods	No
2	GH Ground Station Mods	No
3	ASIP Install/Calibration	No
4	MODE 5/ADS-B	No
5	Sensor Enhancements	No
6	Ice Protection System	No
7	ADC/JPEG 2000	No
8	GSMP	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	RQ-4	
Modification P-40a Aggregated Items Title:	RQ-4 MODS	
Item Number	Item Title	Applies to Multiple Models
9	CSMP	No
Modification P-40a Aggregated Items Title:	RQ-4 GSRA/CSRA Mods	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	RQ-4 GSRA/CSRA Mods	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
470008	Enhanced Weather Capability	No
470009	ASIP Increment I	No
470010	SAR Complex Imagery	No
470014	R&M Enhancements	No
1	LOW COST MODIFICATIONS	No

Model:	No text provided.	
Modification P-40a Aggregated Items Title:	Other Aircraft	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	COMBAT AIR FORCES RESCUE MSN TRNG	No
2	ANG RC-26	No
5	MAF Training	No
19	HH-60U	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	MULTI		
Modification P-40a Aggregated Items Title:	Other Aircraft		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
3	EHF SATCOM	No	
9	DEPOT MAINTENANCE (NON-IF)	No	
13	LOW COST SAFETY MODIFICATIONS	No	
17	LOW COST MODIFICATIONS	No	
20	UHF SATCOM UPGRADE	No	

Model:	F-15		
Modification P-40a Aggregated Items Title:	Other Aircraft		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
6	Sniper CMDL Backback Kits and Datalogger Purchase	Yes	

Model:	B-52		
Modification P-40a Aggregated Items Title:	Other Aircraft		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
6	Sniper CMDL Backback Kits and Datalogger Purchase	Yes	
14	LOW COST MODIFICATIONS - TARGETING PODS	Yes	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	B-1		
Modification P-40a Aggregated Items Title:	Other Aircraft		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
6	Sniper CMDL Backback Kits and Datalogger Purchase	Yes	
14	LOW COST MODIFICATIONS - TARGETING PODS	Yes	

Model:	ATP		
Modification P-40a Aggregated Items Title:	Other Aircraft		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
7	ATP upgrade Legacy to SE	No	

Model:	ESC Hanscom		
Modification P-40a Aggregated Items Title:	Other Aircraft		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
11	Battlefield ABN Comm Node (BACN)	No	

Model:	Multiple		
Modification P-40a Aggregated Items Title:	Other Aircraft		
Item Number	Item Title	Applies to Multiple Models	
Uncategorized			
12	JOINT TACTICAL RADIO SYSTEM	No	

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	E-9	
Modification P-40a Aggregated Items Title:	Other Aircraft	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
15	MISCELLANEOUS LOW COSTS MODS (OTHER)	No

Model:	MH-53J	
Modification P-40a Aggregated Items Title:	Other Aircraft	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
16	LOW COST RETROFIT MODS	No

Model:	RC-135	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
3472	C2ISR TDL	Yes

Model:	AOC	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
3472	C2ISR TDL	Yes

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	Sniper ATP-SE	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
8675	ATP-SE Technology Insertion	Yes

Model:	Litening ATP-SE	
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
8675	ATP-SE Technology Insertion	Yes

Model:	MQ-1	
Modification P-40a Aggregated Items Title:	MQ-1 Mods	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	Aircraft PPDL	No
2	Differential GPS	No
3	Digital Video	No
4	VORTEX	No
5	GCS PPDL	Yes
6	GCS Modernization	No
7	IP Migration	No
8	LOW COST MODIFICATIONS	No
9	PREDATOR A/B MODIFICATIONS	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	MQ-9	
Modification P-40a Aggregated Items Title:	MQ-1 Mods	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
5	GCS PPDL	Yes
Modification P-40a Aggregated Items Title:	MQ-9 MODS	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	GCS Blk 50	No
2	MTS-B HD	No
3	IP Migration	No
4	Communication Enhancements	No
5	Technology Insertion	No
6	MQ-9 Low Cost Mods	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
9151	Block 5	No
9152	MQ-9 Field	No
9154	Lynx SAR	No
9155	GCS Blk 30	No
9159	R&M enhancements	No
9164	Extended Range MQ-9	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Model:	CV-22	
Modification P-40a Aggregated Items Title:	CV-22 MODS	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
1	BLOCK B UPGRADE	No
2	LOW COST MODIFICATIONS	No
P-3a Individual Modifications		
Modification Number	Modification Title	Applies to Multiple Models
8790	Block 20 Upgrade	No

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Funding (\$ M)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Exhibit P-40a										
Proximity Sensor Logic Unit PROM Replacement	4.093	-	-	-	-	-	-	-	-	-
EHF SATCOM and Computers	102.739	9.583	6.189	-	-	-	-	-	-	-
B-2 Trainer System Upgrade	24.046	2.006	6.415	3.131	-	3.131	9.663	9.140	7.928	8.062
LINK 16/CID/IFR	92.446	-	-	0.474	-	0.474	0.419	0.297	0.249	0.203
RADAR SYSTEM MODIFICATION	531.489	-	-	-	-	-	-	-	-	-
LOW OBSERVABLE SIGNATURE AND SUPPORTABILITY MODS	43.377	-	-	-	-	-	-	-	-	-
B-2 Massive Ordnance Penetrator (MOP) Integration	51.432	-	-	-	-	-	-	-	-	-
B-2 Adaptable Communications Suite (ACS)	21.037	-	-	-	-	-	-	-	-	-
LOSSM - Structures	4.240	2.395	4.958	3.970	-	3.970	4.859	4.630	4.919	4.272
110052 LOSSM - Materials	2.668	0.500	1.420	2.082	-	2.082	1.912	1.989	1.982	2.327
LOSSM - Diagnostics	1.996	1.000	1.734	2.444	-	2.444	1.866	2.189	2.068	2.522
B-2 Flex Strike Phase 1	-	-	-	-	-	-	14.354	6.864	-	-
B61-12 Integration	-	-	-	-	-	-	-	8.998	9.166	9.331
B-2 Low Cost Engine Modifications	6.211	0.005	0.621	0.626	-	0.626	0.709	0.723	0.735	0.748
LOW COST MODIFICATIONS	15.835	1.530	0.528	0.541	-	0.541	0.606	0.617	0.629	0.640
Self Contained Attitude Indicator	-	-	8.209	3.562	-	3.562	-	-	-	-
Gyro Stabilization System (GSS)	60.216	2.203	0.701	-	-	-	-	-	-	-
Inertial Navigation System (INS)	54.884	0.062	4.103	-	-	-	-	-	-	-
B-1 TRAINING SUPPORT	1.349	0.333	0.427	0.438	-	0.438	0.447	0.455	0.463	0.471
Digital Communications	36.667	2.175	0.100	0.100	-	0.100	0.100	0.100	0.100	0.100

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
RADAR IMPROVEMENT UPGRADE	155.500	1.417	1.265	-	-	-	-	-	-	-
B-1 Link 16 Crypto	-	-	0.223	1.011	-	1.011	1.392	0.539	0.800	-
LAPTOP CONTROLLED TARGETING POD	68.694	0.005	0.100	0.100	-	0.100	0.100	0.100	0.100	0.100
B-1 Modified Antenna Select	-	-	2.019	-	-	-	-	-	-	-
F101 Engine SLEP	-	35.000	89.860	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	3.898	0.084	0.100	0.100	-	0.100	0.100	0.100	0.120	0.100
Enhanced Data Link (EDL)	3.567	-	-	-	-	-	-	-	-	-
Multi-Mode Receiver-2020 Instrument landing System	3.840	-	-	-	-	-	-	-	-	-
B-52 Anti-Skid Replacement	-	4.637	17.304	0.883	-	0.883	0.897	0.915	0.931	0.947
ADVANCED WEAPON INTEGRATION	10.043	-	-	-	-	-	-	-	-	-
AETC Trainers (B-52)	1.113	1.836	2.353	2.390	-	2.390	2.427	2.476	2.520	2.563
B-52 Structures	0.100	-	-	-	-	-	-	-	-	-
System Effectiveness and Evolutionary Requirements	0.100	-	-	-	-	-	-	-	-	-
B-52 New Start Treaty	-	0.500	0.698	0.099	-	0.099	0.198	-	-	-
B-52 Mode S/5	-	9.590	12.626	2.488	-	2.488	-	-	-	-
B-52 Low Cost Mods	0.435	0.019	0.590	0.436	-	0.436	0.443	0.453	0.460	0.468
LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130	1.200	-	-	-	-	-	-	-	-	-
LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J	-	71.497	4.535	-	-	-	-	-	-	-
LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5	7.646	3.039	0.099	-	-	-	-	-	-	-
LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/MC-130 Recap	46.100	70.000	-	-	-	-	-	-	-	-

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
DIGITAL DATA LINK	55.136	-	-	-	-	-	-	-	-	-
TEMS/ADR	9.815	-	-	-	-	-	-	-	-	-
MODE S/5	5.711	-	-	-	-	-	-	-	-	-
ONBOARD OXYGEN GENERATING SYSTEM (OBOGS)	8.662	-	-	-	-	-	-	-	-	-
Extended Duration Covert Infrared Countermeasures System	63.724	-	-	-	-	-	-	-	-	-
A-10 Secure Line of Sight/Beyond Line of Sight	76.795	-	-	-	-	-	-	-	-	-
A-10 Wing Replacement Program	809.957	2.298	-	-	-	-	-	-	-	-
PRECISION ENGAGEMENT	375.387	-	-	-	-	-	-	-	-	-
A-10 Helmet Mounted Cueing System	33.325	-	-	-	-	-	-	-	-	-
LOW COST SAFETY MODIFICATIONS	0.308	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	1.999	-	-	-	-	-	-	-	-	-
F-15C Avionics Replacement	31.333	-	-	-	-	-	-	-	-	-
SECONDARY POWER UPGRADE A-D	0.297	-	-	-	-	-	-	-	-	-
C/D Secondary Power System	3.383	2.857	-	-	-	-	-	-	-	-
E Secondary Power System	7.357	-	-	-	-	-	-	-	-	-
C/D Flight Data Recorder (FDR)	23.845	0.114	-	-	-	-	-	-	-	-
F-15E Flight Data Recorder (FDR)	22.936	1.694	-	-	-	-	-	-	-	-
APG-63V(1) RADAR UPGRADE	20.265	-	-	-	-	-	-	-	-	-
PROGRAMMABLE ARMAMENT CONTROL SET	6.768	-	-	-	-	-	-	-	-	-
F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM	69.783	21.170	11.771	-	-	-	-	-	-	-
AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	4.332	0.377	1.071	1.088	-	1.088	1.104	1.126	1.146	1.165
F-15 A/D DIGITAL VIDEO RECORDER	21.037	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
F-15E DIGITAL VIDEO RECORDER	18.023	-	-	-	-	-	-	-	-	-
TEWS INTERMEDIATE SUPPORT SYSTEM (TISS) A-E	31.644	-	-	-	-	-	-	-	-	-
E IFF MODE 5	40.938	-	-	-	-	-	-	-	-	-
Link 16 Cryptographic Modernization (CMI)	-	-	0.002	2.837	-	2.837	4.831	4.459	5.073	6.668
F-15E BLOS/SLOS	59.593	-	-	-	-	-	-	-	-	-
F-15C/D Beyond Line Of Sight Communications	33.067	12.226	9.059	-	-	-	-	-	-	-
EPAWSS-E	-	-	-	-	-	-	-	-	-	-
EPAWSS-C/D	-	-	-	-	-	-	-	-	-	-
F-15C Passive Attack Sensor System	18.465	5.500	3.004	0.504	-	0.504	0.704	-	-	-
5th to 4th Gen Gateway	-	-	-	-	-	-	37.863	38.568	52.210	39.950
MISC ENGINE UPDATE MODS	1.520	-	-	-	-	-	-	-	-	-
LOW COST RETROFIT MODS	5.763	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	5.759	-	-	-	-	-	-	-	-	-
MMC and Display Generator Upgrade	-	-	-	-	-	-	-	-	20.872	23.980
FALCON STAR	412.979	0.224	-	-	-	-	-	-	-	-
F-16 LEGACY STRUCTURAL SLEP	-	-	-	-	-	-	2.800	11.400	23.700	44.972
Mode 5 Identification	34.650	-	-	-	-	-	-	-	-	-
DIGITAL FLIGHT CONTROL COMPUTER	8.784	2.254	1.000	-	-	-	-	-	-	-
ADVANCED DATA TRANSFER EQUIPMENT	37.900	1.406	-	-	-	-	-	-	-	-
ON BOARD OXYGEN GENERATION SYSTEM (OBOGS)	48.288	-	-	-	-	-	-	-	-	-
Situational Awareness Data Link (SADL)	2.291	-	-	-	-	-	-	-	-	-
AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	84.042	5.450	6.053	3.305	-	3.305	7.058	5.325	5.423	5.516

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
F-16 TRAINING SYSTEMS	-	-	-	3.250	-	3.250	2.875	4.070	4.472	4.448
LOW COST MODIFICATIONS	14.876	-	1.939	0.379	-	0.379	0.836	0.002	0.002	0.002
F-110 Engine Fire Seal Mod	2.268	-	0.050	-	-	-	-	-	-	-
COMMON CONFIGURATION	662.124	2.612	1.379	4.321	-	4.321	1.479	-	-	-
INCREMENT 3.1	230.556	12.701	3.671	3.017	-	3.017	1.489	0.439	-	-
Low Cost Mod Weapon System	13.148	-	-	-	-	-	-	-	-	-
Trainers Modernization	44.255	32.600	9.844	4.015	-	4.015	9.958	8.143	4.229	4.350
Crypto Modernization	5.104	-	-	-	-	-	-	-	6.394	4.905
Tactical Mandates	-	-	-	-	-	-	-	-	55.865	123.173
Block 2B OT Upgrade	11.093	-	0.861	-	-	-	-	-	-	-
Block 3F LRIP 6-8 Upgrade	-	-	-	-	-	-	-	2.856	-	-
COMPARTMENT FLOOR CORROSION PREVENTION	0.156	-	-	-	-	-	-	-	-	-
C-5 RELIABILITY ENHANCEMENT & REENGINEING PROGRAM (RERP)	825.155	-	-	-	-	-	-	-	-	-
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	365.904	-	-	-	-	-	-	-	-	-
Defensive System Installation	25.925	-	-	-	-	-	-	-	-	-
C-5 Fleet Blk Upgrade 01	7.615	-	7.600	-	-	-	-	-	-	-
Mission Computer and Weather Radar	-	-	0.495	-	-	-	21.198	29.064	44.385	42.905
Mode 5 Swift Broadband BLOS/LOS Radio	-	-	-	-	-	-	-	8.321	24.196	30.005
LOW COST MODIFICATIONS	1.010	0.956	0.471	0.300	-	0.300	0.428	0.249	0.820	-
Pylon Stub FFLZ, FF, Translating Fairing	43.937	17.234	10.286	3.462	-	3.462	8.264	4.923	-	-
ELT Frequency Change	3.062	-	-	-	-	-	-	-	-	-
MFOQA	7.954	1.611	1.996	1.538	-	1.538	-	-	-	-

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Replacement Heads Up Display (RHUD)	-	-	-	-	-	-	-	-	9.380	40.412
C-17 Sim Threat Generator	11.792	-	-	-	-	-	-	-	-	-
Block 13 to 17 Retrofit	797.416	44.290	26.053	-	-	-	-	-	-	-
AIRLIFT DEFENSIVE SYSTEMS-COUNTERMEASURES	0.498	-	-	-	-	-	-	-	-	-
NEXT GEN CNS/ATM	-	-	13.772	1.108	-	1.108	6.349	-	-	-
OBIGGS II	75.813	11.064	-	-	-	-	-	-	-	-
OBIGGS II Filter Fire Mitigation (2.1)	-	-	-	-	-	-	-	0.109	0.960	2.169
Extended Range Retrofit/OBIGGS II	178.132	8.504	-	-	-	-	-	-	-	-
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	1,284.939	-	-	-	-	-	-	-	-	-
Mobility Air Force Dynamic Retasking Capability (MAF DRC)	20.575	-	-	-	-	-	-	-	-	-
Fixed Installation Satellite Antenna (FISA 2)	-	-	-	-	-	-	-	9.103	19.672	-
LOW COST MODIFICATIONS	3.194	-	1.999	0.011	-	0.011	0.110	0.114	0.013	-
SERVICE BULLETINS	-	0.100	0.154	0.052	-	0.052	0.145	0.135	0.106	0.109
LOW COST MODIFICATIONS	-	0.003	0.110	0.110	-	0.110	0.110	0.110	0.110	0.111
CNS/ATM Compliance	-	-	-	1.000	-	1.000	4.000	3.000	2.000	-
SERVICE BULLETINS	-	0.005	0.005	0.005	-	0.005	0.005	0.005	0.005	0.005
99999SG - Service Bulletins - C-32B	-	0.932	0.928	0.935	-	0.935	0.968	0.959	0.994	0.994
LOW COST MODIFICATIONS	-	0.005	0.005	0.005	-	0.005	0.005	0.005	0.005	0.005
99999XG - Low Cost Mods - C-32B	-	0.838	0.858	0.885	-	0.885	0.885	0.930	0.930	0.943
SERVICE BULLETINS	-	0.100	0.100	0.100	-	0.100	0.100	0.100	0.100	0.100
LOW COST MODIFICATIONS	-	0.352	0.357	0.261	-	0.261	0.229	0.343	0.322	0.358
LOW COST MODIFICATIONS	2.936	0.128	0.132	0.134	-	0.134	0.135	0.137	0.139	0.140

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Landing Gear Shimmy	0.889	0.291	-	-	-	-	-	-	-	-
Power Control Lever	5.243	0.060	-	-	-	-	-	-	-	-
OBOGS Low Pressure Switch and Concentrator	2.089	-	1.250	3.507	-	3.507	1.800	1.300	2.388	-
Landing Gear Door Spring Housing, Bellcrank & Pushrods	4.795	-	-	-	-	-	-	-	-	-
IDARS-MFOQA	3.906	-	-	-	-	-	-	-	-	-
ATD Visual System Retrofit	21.354	1.517	2.200	0.193	-	0.193	-	-	-	-
Avionics Obsolescence	15.445	2.708	5.088	3.270	-	3.270	3.363	6.478	7.145	12.933
Traffic Advisory System	29.580	-	-	-	-	-	-	-	-	-
COCKPIT UPGRADES	6.030	-	2.134	-	-	-	-	-	-	-
Canopy Fracture Initiation System	-	0.040	0.649	0.221	-	0.221	0.150	0.150	0.150	-
LANDING GEAR HANDLE REDESIGN	2.765	0.072	-	-	-	-	-	-	-	-
AIRFRAME STRUCTURAL IMPROVEMENTS	16.065	0.305	1.750	0.370	-	0.370	0.378	0.686	2.495	5.421
LOW COST MODIFICATIONS	7.028	0.399	1.415	0.315	-	0.315	0.315	1.215	1.515	1.615
COMBAT SYSTEMS OFFICER (CSO) TRAINING	30.205	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	0.778	0.277	0.288	0.296	-	0.296	0.300	0.305	0.310	0.316
T-38 ESCAPE SYSTEM UPGRADE	158.612	-	-	-	-	-	-	-	-	-
VDTS/SBIS	4.500	1.500	1.454	-	-	-	-	-	-	-
LOW COST SAFETY MODIFICATIONS	0.019	0.005	0.005	0.005	-	0.005	0.005	0.005	0.005	0.005
LOW COST MODIFICATIONS	0.020	0.005	0.006	0.006	-	0.006	0.006	0.006	0.006	0.006
CNS/ATM	1.181	42.183	71.860	-	-	-	-	-	-	-
Boom Control Unit (BCU)	2.512	-	-	-	-	-	-	-	-	-
Mode 5	-	-	-	0.110	-	0.110	4.451	2.129	-	-
Visual System Replacement (VSR)	12.723	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
UHF SATCOM Antenna	5.183	0.724	0.189	-	-	-	-	-	-	-
GATM Phase II	47.925	-	-	-	-	-	-	-	-	-
LOW COST SAFETY MODIFICATIONS	0.005	0.010	0.001	0.001	-	0.001	0.001	0.001	0.001	-
SERVICE BULLETINS	23.412	5.065	4.763	4.900	-	4.900	1.610	3.500	4.741	4.821
LOW COST MODIFICATIONS	4.569	0.187	0.700	0.600	-	0.600	0.100	0.100	0.020	0.020
SIMULATOR UPGRADE (KC-10)	36.031	-	-	-	-	-	-	-	-	-
SERVICE BULLETINS	-	0.376	1.460	1.480	-	1.480	1.513	1.553	1.591	1.626
LOW COST MODIFICATIONS	-	0.500	0.500	0.500	-	0.500	0.500	0.500	0.500	0.500
SERVICE BULLETINS	0.776	0.108	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	1.989	0.084	-	-	-	-	-	-	-	-
C-25 Avionics Modernization Program	-	-	-	-	-	-	10.400	14.600	-	-
Nitrogen Generation System	-	-	0.500	-	-	-	-	-	-	-
SERVICE BULLETINS	-	0.163	0.472	0.131	-	0.131	0.240	9.715	9.978	11.104
LOW COST MODIFICATIONS	-	0.100	0.100	0.100	-	0.100	0.100	0.100	0.100	0.100
Nitrogen Generation System	-	5.873	3.077	2.051	-	2.051	-	-	-	-
CNS/ATM Compliance	-	-	-	0.969	-	0.969	2.953	2.971	2.970	4.944
SERVICE BULLETINS	-	0.131	0.100	0.136	-	0.136	0.135	0.136	0.135	0.135
LOW COST MODIFICATIONS	-	0.115	0.115	0.115	-	0.115	0.120	0.125	0.130	0.135
PODDED RECONNAISSANCE SYSTEM	8.422	-	-	-	-	-	-	-	-	-
AUTOPILOT/GCAS	48.227	-	-	-	-	-	-	-	-	-
ELECTRICAL SYSTEM UPGRADE	15.636	-	-	-	-	-	-	-	-	-
C-130 8-Bladed Propeller Upgrade	-	26.000	30.000	-	-	-	-	-	-	-
ENGINES	8.016	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
ALR-69 (RWR)	64.289	-	-	-	-	-	-	-	-	-
AN/AAQ-22M (FLIR)	10.154	-	-	-	-	-	-	-	-	-
INSTALLATION OF AN/APN-241	127.336	-	-	-	-	-	-	-	-	-
Electronic Propeller Control System (EPCS)	1.100	-	-	-	-	-	-	-	-	-
C-130 AVIONICS MODERNIZATION PROGRAM (AMP)	175.159	-	35.800	-	-	-	-	-	-	-
ENHANCED TCAS (TCAS II)	36.153	-	-	-	-	-	-	-	-	-
SYNCHROPHASER WIRE (C-130)	6.033	-	-	-	-	-	-	-	-	-
C-130 GENERATOR DISCONNECT INSTALLATION WR-98-004	1.475	-	-	-	-	-	-	-	-	-
ALE-47 CHAFF AND FLARE DISPENSER	23.057	-	-	-	-	-	-	-	-	-
C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)	633.590	24.833	13.640	0.500	-	0.500	12.906	24.340	14.642	14.906
Mode S & 8.33 MHz Upgrades	79.516	1.335	-	-	-	-	-	-	-	-
ALR-69 UPGRADE	13.780	-	-	-	-	-	-	-	-	-
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	853.368	-	-	-	-	-	-	-	-	-
HC-130P/N Personal Locator System	5.400	-	-	-	-	-	-	-	-	-
HC-130 Integrated Electronic Warfare (EW) Suite	6.000	-	-	-	-	-	-	-	-	-
AAR-47 Sensor Upgrade	-	1.618	-	-	-	-	-	-	-	-
NOISE CANCELLATION SYSTEM	10.925	-	-	-	-	-	-	-	-	-
AC-130 OUTER WING REPLACEMENT	4.935	-	-	-	-	-	-	-	-	-
HC-130 8.33 RADIOS	21.872	-	-	-	-	-	-	-	-	-
MOD V IFF	38.306	6.803	1.630	-	-	-	-	-	-	-
C-130 DUAL RAILS	4.117	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
C-130 CRASHWORTHY LOADMASTER SEAT	13.961	1.476	1.089	-	-	-	-	-	-	-
Tactics/Threat Generation System	9.009	-	-	-	-	-	-	-	-	-
MC Combined CARA/ETCAS	2.307	-	-	-	-	-	-	-	-	-
Blue Force Tracker	0.400	-	-	-	-	-	-	-	-	-
Armor Plate	20.502	-	-	-	-	-	-	-	-	-
ENGINE OIL COOLER	31.000	0.125	-	-	-	-	-	-	-	-
Square Window Troop Door	16.401	-	-	-	-	-	-	-	-	-
C-130 Aux Hyd Pump	11.349	1.981	1.237	0.326	-	0.326	0.328	0.522	-	-
Real Time Information in the Cockpit (RTIC) Kits	1.875	-	-	-	-	-	-	-	-	-
AFR C-130 Fuselage Trainer Modification	-	7.000	-	-	-	-	-	-	-	-
C-130 VAAP Increment 1	-	-	-	-	-	-	-	-	51.543	131.976
8.33 kHz Radios -- Minimize C-130 CNS/ATM Program	-	9.922	7.447	-	-	-	-	-	-	-
CVR/DVR -- Minimize C-130 CNS/ATM Program	-	4.278	7.151	-	-	-	-	-	-	-
HC-130 Crashworthy Seats	6.000	-	-	-	-	-	-	-	-	-
HC-130 T-1 Mods	2.500	-	-	-	-	-	-	-	-	-
AC-130W Radar Pods	-	-	25.000	-	-	-	-	-	-	-
AC-130W Hellfire Capability	-	-	2.240	-	-	-	-	-	-	-
HC-130 SABIR	-	-	12.400	-	-	-	-	-	-	-
T-56 3.5 Engine Mod	-	15.700	22.600	-	-	-	-	-	-	-
Onboard Fire Incident Response Equipment	-	130.000	-	-	-	-	-	-	-	-
HC-130P/N Variable Speed Drogue (VSD)	-	-	-	-	1.410	1.410	-	-	-	-
LOW COST SAFETY MODIFICATIONS	2.833	0.001	1.674	1.900	-	1.900	1.900	1.900	1.463	1.999
HC-130 Low Cost Mods	1.900	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
MISC SIMULATOR UPDATES	0.704	0.001	0.001	1.200	-	1.200	1.300	1.200	1.719	1.244
SERVICE BULLETINS	0.002	0.001	0.001	1.222	-	1.222	1.101	0.876	0.923	0.001
LOW COST MODIFICATIONS	10.231	0.821	1.999	1.900	-	1.900	1.900	1.900	1.999	1.999
ELT UPGRADE	18.341	-	-	-	-	-	-	-	-	-
ANG SENIOR SCOUT	77.508	-	-	-	-	-	-	-	-	-
C-130J Tactics Training	8.470	7.545	-	-	-	-	-	-	-	-
Avionics System and Structural Modifications	23.202	0.300	0.433	0.283	-	0.283	-	-	-	-
Wind Gust Brake	38.971	0.201	0.148	0.114	-	0.114	-	-	-	-
C-130J BLOCK 7.0 UPGRADES	13.452	-	-	-	-	-	-	-	-	-
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	91.807	-	-	-	-	-	-	-	-	-
C-130J Center Wing Replacement	30.830	0.742	25.337	0.500	-	0.500	0.500	13.822	0.500	0.500
Dynamic Retasking Capability	23.010	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	9.004	-	0.001	0.100	-	0.100	0.500	0.500	0.500	0.500
STANDARD FLIGHT DATA RECORDER	5.401	-	-	-	-	-	-	-	-	-
C-135 REENGINE	30.750	-	-	-	-	-	-	-	-	-
FLIGHT DATA RECORDER & COCKPIT VOICE RECORDER	27.030	-	-	-	-	-	-	-	-	-
PACER CRAG (COMPASS, RADAR, AND GPS)	135.021	-	-	-	-	-	-	-	-	-
ENHANCED MODE S	28.092	-	-	-	-	-	-	-	-	-
GATM Phase II	909.568	-	-	-	-	-	-	-	-	-
CONTROL COLUMN ACTUATOR BRAKE (CCAB)	40.723	-	-	-	-	-	-	-	-	-
BOWST	8.800	-	-	-	-	-	-	-	-	-
MODE 5	12.994	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
VOR/ILS ANTENNAE	6.113	2.604	1.727	0.752	-	0.752	0.162	-	-	-
Visual System Replacement (VSR)	29.767	-	-	-	-	-	-	-	-	-
APU Oil Cooler	7.954	-	-	-	-	-	-	-	-	-
ADS-B	-	-	-	-	-	-	-	5.000	3.200	-
Digital Visual Imaging System	-	-	-	-	-	-	4.537	5.015	5.109	5.201
LOW COST SAFETY MODIFICATIONS	0.025	0.025	0.025	0.025	-	0.025	0.025	0.025	0.025	0.025
LOW COST MODIFICATIONS	4.929	1.897	0.471	1.000	-	1.000	1.901	0.073	1.995	1.995
COMPASS CALL Baseline 4	-	-	-	-	-	-	-	-	18.460	19.285
TSI	10.270	2.845	3.335	4.015	-	4.015	3.902	3.716	4.044	4.165
BLOCK 40/45 UPGRADE	543.807	114.439	-	-	-	-	-	-	-	-
NAVWAR	13.972	-	-	-	-	-	-	-	-	-
INTEGRATED DAMA GATM	130.323	-	-	-	-	-	-	-	-	-
AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	4.916	0.100	0.608	0.687	-	0.687	0.693	0.706	0.719	0.731
RM&A Mod	15.216	3.590	2.266	0.825	-	0.825	0.668	0.320	0.095	0.505
E-3 DRAGON	-	-	-	-	-	-	54.689	89.668	86.344	117.856
VERTICAL STABILIZER AND RUDDER	0.077	0.238	0.107	0.665	-	0.665	0.287	0.135	0.018	-
ELECTRONIC PROTECTION	-	-	-	-	-	-	1.288	11.960	12.930	11.870
IP-enabled Capability (IPEC)	-	-	-	-	-	-	12.961	9.263	17.904	5.488
Combat ID Diminishing Manufacturing Sources	-	-	-	-	-	-	-	-	4.491	14.268
LOW COST MOD - AIRFRAME	0.100	0.012	0.138	0.100	-	0.100	0.100	0.031	-	-
LOW COST MOD - AVIONICS & MISSION SYSTEMS	0.100	0.012	0.138	0.100	-	0.100	0.100	0.031	-	-
Crypto Modernization	4.166	3.671	-	-	-	-	-	-	-	-

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
NPES (NC2AIS) E-4B	2.000	0.686	0.692	0.706	-	0.706	0.721	0.700	0.746	0.768
Message Processing System (MPS)	20.536	-	-	-	-	-	-	-	-	-
SHF MUX UPGRADE	2.354	-	-	-	-	-	-	-	-	-
Global Summary Message	12.781	-	-	-	-	-	-	-	-	-
Secure Voice Crypto	8.711	-	-	-	-	-	-	-	-	-
AIU Modernization	45.491	-	-	-	-	-	-	-	-	-
Low Frequency Transmit System (LFTS)	-	-	-	-	-	-	32.935	22.949	31.700	33.680
E-4B COMMUNICATION NAVIGATION SURVEILLANCE/ AIR TRAFFIC MANAGEMENT I	-	5.960	2.732	-	-	-	-	-	-	-
CNS/ATM(ADS-B OUT)	-	-	1.200	4.562	-	4.562	4.762	-	-	-
SERVICE BULLETINS	13.595	2.647	3.270	4.714	-	4.714	5.472	5.600	5.594	5.713
LOW COST MODIFICATIONS	7.846	-	1.990	1.990	-	1.990	1.990	1.990	1.990	1.990
JSTARS Re-engining	161.312	-	-	-	-	-	-	-	-	-
RELIABILITY, MAINTAINABILITY, AVAILABILITY (RMA) and FLEET RETROFIT MODS	40.513	-	-	-	-	-	-	-	-	-
KILL CHAIN ENHANCEMENT MODIFICATIONS	112.106	0.011	-	-	-	-	-	-	-	-
JTRS INTEGRATION	18.206	-	-	-	-	-	-	-	-	-
Enhanced Land Maritime Mode (ELMM)	47.436	-	-	-	-	-	-	-	-	-
UH-1N SIMULATOR UPGRADE	1.820	-	-	-	-	-	-	-	-	-
HUEY II MODERNIZATION	158.322	0.977	0.997	1.014	-	1.014	1.029	1.050	1.068	1.086
TRAFFIC ALERT & COLLISION AVOIDANCE SYSTEM	6.000	4.750	4.750	-	-	-	-	-	-	-
UH-1N Safety Modifications	11.200	-	-	-	-	-	-	-	-	-
AETC FLIR	-	-	0.500	1.800	-	1.800	1.900	-	-	-
USMC Missionization	-	-	-	0.028	-	0.028	3.330	0.786	-	-

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Simulator Concurrency	-	-	0.075	1.651	-	1.651	1.189	-	-	-
LOW COST MODIFICATIONS	2.901	0.900	1.915	1.798	-	1.798	1.609	1.626	1.640	1.668
ALTITUDE HOLD AND HOVER SYSTEM (AHHS)	33.077	4.281	1.118	0.599	-	0.599	0.531	0.010	-	-
KIRTLAND SIM UPGRADES	37.778	-	-	-	-	-	-	-	-	-
SERVICE LIFE EXTENSION PROGRAM	38.307	-	-	-	-	-	-	-	-	-
LIGHTWEIGHT AIRBORNE RECOVERY SYSTEM V12 UPGRADE	20.580	2.081	1.001	0.390	-	0.390	0.483	0.010	-	-
Control Display Unit (CDU)	13.034	0.010	0.010	0.010	-	0.010	-	-	-	-
Navigation System Upgrade (NSU)	54.167	2.233	0.727	1.245	-	1.245	2.719	2.759	0.100	-
Vibration Monitoring System (VMS)	29.743	4.506	4.779	1.885	-	1.885	0.654	0.310	-	-
Situation Awareness Data-Link	21.957	-	-	-	-	-	-	-	-	-
Multi-function Color Display	28.875	0.984	0.944	1.456	-	1.456	1.150	0.626	-	-
MODE 5	11.675	0.550	0.670	0.908	-	0.908	1.844	1.946	0.100	-
Gun Replacement	10.404	7.435	2.381	0.952	-	0.952	1.795	3.416	-	-
CSAR Avionics/Electrical Upgrade	10.256	0.704	3.759	0.758	-	0.758	0.908	0.882	0.320	0.380
DEFENSIVE SYSTEM UPGRADE	14.979	0.020	0.020	-	-	-	-	-	-	-
Ballistic Protection Enhancement	1.867	0.020	0.010	-	-	-	-	-	-	-
SERVICE BULLETINS	0.091	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	2.940	0.970	0.409	0.372	-	0.372	0.434	1.687	1.223	1.681
GH Aircraft Mods	369.687	8.813	8.906	4.715	-	4.715	16.219	28.933	14.241	13.103
GH Ground Station Mods	15.023	0.500	-	-	-	-	-	-	-	-
ASIP Install/Calibration	-	-	12.448	-	-	-	-	-	-	-
MODE 5/ADS-B	-	-	-	-	-	-	1.205	1.338	2.804	-

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
 Exhibit P-1M, Procurement Programs - Modification Summary
 (Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Sensor Enhancements	-	-	-	-	-	-	-	44.995	5.226	20.312
Ice Protection System	-	-	-	-	-	-	-	-	14.338	17.724
ADC/JPEG 2000	-	-	-	-	-	-	-	3.368	3.154	-
GSMP	-	-	-	-	-	-	-	-	22.916	8.538
CSMP	-	-	-	-	-	-	-	-	-	-
HC/MC-130J Block 8.1	-	-	-	-	-	-	-	-	32.209	-
LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM)	34.000	-	-	-	-	-	-	-	-	-
HC-130J Personnel Locator System	4.700	-	6.100	-	-	-	-	-	-	-
HC-130J Situational Awareness	-	-	12.500	-	-	-	-	-	-	-
HC-130J Special Airborne Mission Installation Response (SABIR)	-	-	22.700	-	-	-	-	-	-	-
HC-130J Wireless Intercom	-	-	-	-	1.660	1.660	-	-	-	-
LOW COST MODIFICATIONS	6.245	-	1.902	1.960	-	1.960	1.987	1.993	1.635	0.452
COMBAT AIR FORCES RESCUE MSN TRNG	5.039	-	-	-	-	-	-	-	-	-
ANG RC-26	0.267	-	-	-	-	-	-	-	-	-
EHF SATCOM	13.582	1.920	21.784	0.001	-	0.001	-	-	-	-
Full Combat Mission Training	56.632	0.602	2.751	2.459	-	2.459	1.884	1.922	1.957	1.990
MAF Training	21.546	-	1.837	-	-	-	-	-	-	-
Sniper CMDL Backback Kits and Datalogger Purchase	7.807	-	-	-	-	-	-	-	-	-
ATP upgrade Legacy to SE	16.709	15.198	56.092	1.033	-	1.033	0.913	0.931	0.948	0.964
MH-53 IFF APX-118	0.291	-	-	-	-	-	-	-	-	-
DEPOT MAINTENANCE (NON-IF)	1.249	-	-	-	-	-	-	-	-	-
Theatre Airborne Reconnaissance System (TARS)	8.423	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Battlefield ABN Comm Node (BACN)	-	-	1.990	-	-	-	-	-	-	-
JOINT TACTICAL RADIO SYSTEM	83.346	3.290	4.502	-	-	-	-	-	-	-
LOW COST SAFETY MODIFICATIONS	0.002	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS - TARGETING PODS	0.003	-	-	-	-	-	-	-	-	-
MISCELLANEOUS LOW COSTS MODS (OTHER)	1.981	0.138	0.140	0.128	-	0.128	0.153	0.154	0.150	0.153
LOW COST RETROFIT MODS	0.779	-	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	0.002	-	-	-	-	-	-	-	-	-
COMMON MISSILE WARNING SYSTEM	0.755	-	-	-	-	-	-	-	-	-
HH-60U	-	-	-	1.900	-	1.900	1.900	-	-	-
UHF SATCOM UPGRADE	39.396	-	-	-	-	-	-	-	-	-
Aircraft PPDL	24.708	-	-	-	-	-	-	-	-	-
Differential GPS	4.701	-	-	-	-	-	-	-	-	-
Digital Video	20.834	-	-	-	-	-	-	-	-	-
VORTEX	31.305	-	-	-	-	-	-	-	-	-
GCS PPDL	106.948	-	-	-	-	-	-	-	-	-
GCS Modernization	36.362	-	-	-	-	-	-	-	-	-
IP Migration	30.459	1.954	0.702	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	1.167	-	2.000	2.000	-	2.000	-	-	-	-
PREDATOR A/B MODIFICATIONS	205.126	4.572	2.053	1.173	-	1.173	-	-	-	-
RQ-4 GSRA/CSRA Mods	-	23.668	-	-	-	-	-	-	-	-
BLOCK B UPGRADE	73.884	0.162	-	-	-	-	-	-	-	-
LOW COST MODIFICATIONS	11.840	0.175	1.999	1.999	-	1.999	1.999	1.999	1.999	1.999
GCS Blk 50	-	-	-	-	-	-	42.801	30.010	56.402	77.889

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
MTS-B HD	22.739	-	-	-	-	-	-	-	-	-
IP Migration	29.290	-	3.130	-	-	-	-	-	-	-
Communication Enhancements	-	-	1.452	1.140	-	1.140	0.177	-	-	-
Technology Insertion	-	-	-	-	-	-	-	-	10.802	33.663
MQ-9 Low Cost Mods	-	2.000	2.000	2.000	-	2.000	2.000	2.000	2.000	2.000
Exhibit P-3a										
Common Very Low Frequency Terminal	-	-	-	19.190	-	19.190	18.758	9.407	4.041	-
Fully Integrated Data Links	185.430	50.754	51.572	47.547	-	47.547	54.987	27.759	33.637	10.953
CITS UPGRADE	46.670	14.996	20.514	18.650	-	18.650	22.354	14.627	16.760	1.400
VERTICAL SITUATION DISPLAYS	83.578	32.106	40.676	42.611	-	42.611	42.875	31.896	36.055	8.700
B-52 Combat Network Communications Technology	85.043	74.221	136.153	128.219	-	128.219	139.317	110.748	52.542	27.637
B-52 Internal Weapons Bay Upgrade	0.360	-	6.724	14.472	-	14.472	3.724	0.373	41.561	0.662
LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17	71.999	15.711	8.525	84.335	-	84.335	-	-	-	-
F-15E Radar Modernization Program APG-82(V)1	269.238	189.995	240.947	255.042	-	255.042	152.137	181.742	226.577	329.318
Advanced Display Core Processor, ADCP II-E	-	-	-	4.000	-	4.000	55.223	47.633	47.070	56.855
:Advanced Display Core Processor, ADCP II-C	-	-	-	6.000	-	6.000	37.109	65.779	90.602	130.330
F-15C/D APG-63(V)3 radar upgrade	724.854	110.291	232.460	182.100	-	182.100	87.615	86.881	83.935	41.971
F-15C MIDS JTRS	-	-	-	6.387	-	6.387	12.226	48.600	48.600	49.600
F-15E MIDS JTRS	-	-	-	6.409	-	6.409	11.910	47.500	47.208	48.408
MIDS-JTRS	-	-	-	7.000	-	7.000	14.200	46.308	48.800	50.800
Link 16 Crypto	-	-	-	3.200	-	3.200	6.504	6.166	6.810	8.435
Reliability and Maintainability Maturation Program	775.344	126.123	119.212	76.937	-	76.937	131.319	121.133	98.615	82.921

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
F119 Engine Modifications	28.521	27.382	16.754	16.613	-	16.613	30.379	26.420	17.884	12.324
Structures Retrofit Plan	189.311	30.738	29.347	21.249	-	21.249	41.237	21.871	2.572	9.770
Block 3i LRIP 2-5 Upgrade	-	63.420	81.695	44.797	-	44.797	75.523	2.117	2.971	-
Block 3F LRIP 2-5 Upgrade	-	-	-	6.990	-	6.990	0.306	2.040	0.255	-
Concurrency	74.232	60.496	105.090	18.380	-	18.380	234.408	287.216	256.845	259.791
INCREMENT 3.2B	-	-	28.500	69.325	-	69.325	79.091	144.831	13.187	20.529
C-5 Mission Systems Equipment- Lavatory	-	-	6.165	5.304	-	5.304	3.482	2.620	3.174	-
C-5 Reliability Enhancment and Re-Engining Program	2,594.158	883.717	317.466	-	-	-	-	-	-	-
IFF GATM Mode 5	13.323	11.679	23.298	31.023	-	31.023	49.890	47.631	11.305	10.265
ILS Identification and Flight Control Computer Updates	5.655	3.815	11.990	9.855	-	9.855	9.066	-	-	-
Avionics Upgrades and FAA Mandates	-	-	-	10.000	-	10.000	5.232	8.016	10.949	-
Nitrogen Generation System	-	22.925	2.971	6.000	-	6.000	-	-	-	-
WIDEBAND SATCOM	37.000	-	4.000	35.634	-	35.634	29.685	14.855	-	-
WIDEBAND SATCOM	53.000	1.500	18.000	10.000	-	10.000	-	-	-	-
CNS/ATM Compliance	-	-	-	0.500	-	0.500	12.400	2.600	5.400	2.500
Avionics Upgrades FAA Compliance	-	-	-	4.120	-	4.120	13.106	12.367	12.553	6.720
Aircrew Training Device (ATD) Digital Acquisition System (DAS-II) and Electronic Control Loading ...	-	-	-	5.972	-	5.972	7.188	3.648	-	-
Avionics Modification	-	-	7.362	23.410	-	23.410	24.997	39.672	40.405	41.086
Pacer Classic III	56.981	17.824	27.380	24.486	-	24.486	31.423	25.778	22.990	23.375
T-38C Avionics Post Production Support (APPS)	-	-	-	6.107	-	6.107	10.543	2.583	2.561	2.606
U-2 Mod	46.800	49.547	-	22.095	-	22.095	36.396	26.803	7.535	-
WIDEBAND SATCOM	-	-	-	28.000	-	28.000	14.000	16.000	13.000	29.000

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
VC-25 Block Upgrade	-	-	-	70.000	-	70.000	46.096	54.100	68.500	51.600
WIDEBAND SATCOM	-	48.000	4.000	9.900	-	9.900	10.900	-	-	-
BLOCK 8.0	-	-	-	28.716	-	28.716	77.422	79.054	120.841	133.033
BLOCK 45	39.966	25.030	61.345	47.266	-	47.266	57.742	58.797	54.394	54.977
COMPASS CALL	-	29.494	82.628	38.333	-	38.333	-	-	-	-
COMPASS CALL Baseline 3	-	-	-	30.082	-	30.082	35.315	36.262	18.460	18.259
COBRA BALL	-	9.129	6.062	6.144	-	6.144	6.325	6.537	6.776	6.898
RIVET JOINT	-	154.940	146.745	143.388	-	143.388	186.270	189.421	172.665	175.773
COMBAT SENT	-	10.444	10.539	6.633	-	6.633	6.728	6.893	6.834	6.957
NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)	28.403	17.277	9.899	6.786	-	6.786	3.253	-	-	-
SHF Modernization	11.992	4.201	7.207	8.000	-	8.000	-	-	-	-
AEHF Compatible Terminal/PNVC	-	-	-	3.965	-	3.965	8.417	1.560	-	-
Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)	49.716	55.967	-	18.001	-	18.001	6.300	10.800	-	-
BLOCK 40/45 BLOCK UPGRADE	-	-	191.284	183.308	-	183.308	226.429	103.643	58.221	29.533
Family of Beyond Line-of-Sight Terminals	-	-	27.026	44.163	-	44.163	11.343	11.517	11.876	18.117
UH-1N Replacement	-	-	-	2.456	-	2.456	52.416	127.494	127.376	127.098
HH-60 OLR Mission Modifications	318.893	3.860	44.282	21.937	-	21.937	40.538	12.000	-	-
Block 162	-	-	-	15.219	36.300	51.519	39.115	29.831	31.139	21.670
Rotor Brake	-	-	-	-	3.000	3.000	-	-	-	-
Enhanced Weather Capability	-	-	-	5.832	-	5.832	7.599	3.350	0.331	0.056
ASIP Increment I	-	-	-	30.501	-	30.501	-	-	-	-
SAR Complex Imagery	-	-	-	2.133	-	2.133	2.418	-	-	-

UNCLASSIFIED

UNCLASSIFIED

Air Force • President's Budget Submission FY 2016 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Funding for Modifications)

Modification P-40a Item Title P-3a Modification Title	PYS	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
R&M Enhancements	-	-	-	4.841	-	4.841	5.052	5.264	2.255	6.744
LOW COST MODIFICATIONS	-	-	-	2.000	-	2.000	2.000	2.000	2.000	2.000
MC-130J Increment 2	-	8.000	-	9.192	-	9.192	2.897	0.596	-	-
HC-130J Common Configuration	20.374	8.300	-	10.508	-	10.508	2.039	2.109	2.180	3.753
HC-130J Variable Speed Drogue	-	-	-	-	4.030	4.030	-	-	-	-
C2ISR TDL	-	-	-	2.246	-	2.246	1.325	1.233	1.239	1.260
ATP-SE Technology Insertion	-	-	-	110.000	-	110.000	-	-	-	-
Block 20 Upgrade	39.566	19.218	72.875	56.829	-	56.829	61.961	64.421	67.401	69.368
Block 5	-	-	-	14.778	-	14.778	28.644	31.596	31.072	15.431
MQ-9 Field	118.665	29.899	20.167	9.941	-	9.941	11.599	10.902	10.679	1.260
Lynx SAR	-	-	44.536	33.524	-	33.524	32.369	38.237	20.476	-
GCS Blk 30	65.633	-	24.106	19.406	-	19.406	10.964	0.900	-	-
R&M enhancements	-	9.241	16.914	13.717	-	13.717	6.390	9.473	10.858	12.280
Extended Range MQ-9	65.780	17.830	43.140	20.720	69.000	89.720	72.950	89.920	107.560	109.630
Totals (Total Obligation Authority)										
Total Obligation Authority	21,960.609	3,182.722	3,131.414	2,472.757	115.400	2,588.157	2,982.727	3,076.678	3,034.290	3,145.840

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	P-1 Line Item Number / Title: B00200 / B-2A
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0101125F, 0101127F	Other Related Program Elements: 0101127F
--	---	--

Line Item MDAP/MAIS Code: 224	Item MDAP/MAIS Code(s):
-------------------------------	-------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	901.609	17.019	21.865	32.458	-	32.458	53.146	44.854	31.717	28.105	-	1,130.773
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	901.609	17.019	21.865	32.458	-	32.458	53.146	44.854	31.717	28.105	-	1,130.773
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	901.609	17.019	21.865	32.458	-	32.458	53.146	44.854	31.717	28.105	-	1,130.773

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

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

Description:

The B-2 is a multi-engine, long range bomber incorporating low-observable ('stealth') technology that enables the B-2 to penetrate enemy air defenses and strike high-value targets. Specific modifications, budgeted and programmed, are below.

Funding for the exhibit is primarily in PE 0101127F (B-2 Squadrons). Some trainer efforts are funded in PE 0809731F (Training Support to Units).

The FY2016 funding request was reduced by \$3.417 million to account for the availability of prior execution balances.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	17.019	21.865	32.458	-	32.458	53.146	44.854	31.717
AFNG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	P-1 Line Item Number / Title: B00200 / B-2A
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0101125F, 0101127F	Other Related Program Elements: 0101127F
---	--	---

Line Item MDAP/MAIS Code: 224	Item MDAP/MAIS Code(s):
--------------------------------------	--------------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	17.019	21.865	32.458	-	32.458	53.146	44.854	31.717	28.105

--	--	--	--	--	--	--	--	--	--	--

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Number / Title:
B00200 / B-2A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101125F, 0101127F **Other Related Program Elements:** 0101127F

Line Item MDAP/MAIS Code: 224 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Proximity Sensor Logic Unit PROM Replacement (Service Life Extension)	P-40a***		- / 4.093	- / -	- / -	- / -	- / -	- / -
2 / EHF SATCOM and Computers (Capability Improvement)	P-40a***		- / 102.739	- / 9.583	- / 6.189	- / -	- / -	- / -
3 / B-2 Trainer System Upgrade (Capability Improvement)	P-40a***		- / 24.046	- / 2.006	- / 6.415	- / 3.131	- / -	- / 3.131
4 / LINK 16/CID/IFR (Capability Improvement)	P-40a***		- / 92.446	- / -	- / -	- / 0.474	- / -	- / 0.474
5 / RADAR SYSTEM MODIFICATION (Capability Improvement)	P-40a***		- / 531.489	- / -	- / -	- / -	- / -	- / -
6 / LOW OBSERVABLE SIGNATURE AND SUPPORTABILITY MODS (Reliability & Maintainability)	P-40a***		- / 43.377	- / -	- / -	- / -	- / -	- / -
7 / B-2 Massive Ordnance Penetrator (MOP) Integration (Capability Improvement)	P-40a***		- / 51.432	- / -	- / -	- / -	- / -	- / -
8 / B-2 Adaptable Communications Suite (ACS) (Capability Improvement)	P-40a***		- / 21.037	- / -	- / -	- / -	- / -	- / -
9 / LOSSM - Structures (Reliability & Maintainability)	P-40a***		- / 4.240	- / 2.395	- / 4.958	- / 3.970	- / -	- / 3.970
10 / 110052 LOSSM - Materials (Reliability & Maintainability)	P-40a***		- / 2.668	- / 0.500	- / 1.420	- / 2.082	- / -	- / 2.082
11 / LOSSM - Diagnostics (Reliability & Maintainability)	P-40a***		- / 1.996	- / 1.000	- / 1.734	- / 2.444	- / -	- / 2.444
12 / B-2 Flex Strike Phase 1 (Capability Improvement)	P-40a***		- / 0.000	- / -	- / -	- / -	- / -	- / -
13 / B61-12 Integration (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
14 / B-2 Low Cost Engine Modifications (Capability Improvement)	P-40a***		- / 6.211	- / 0.005	- / 0.621	- / 0.626	- / -	- / 0.626
15 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 15.835	- / 1.530	- / 0.528	- / 0.541	- / -	- / 0.541
8882 / Common Very Low Frequency Terminal (Capability Improvement)	P-3a		- / 0.000	- / -	- / -	- / 19.190	- / -	- / 19.190
Total Gross/Weapon System Cost			- / 901.609	- / 17.019	- / 21.865	- / 32.458	- / -	- / 32.458

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Proximity Sensor Logic Unit PROM Replacement (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 4.093
2 / EHF SATCOM and Computers (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 118.511
3 / B-2 Trainer System Upgrade (Capability Improvement)	P-40a***		- / 9.663	- / 9.140	- / 7.928	- / 8.062	- / -	- / 70.391
4 / LINK 16/CID/IFR (Capability Improvement)	P-40a***		- / 0.419	- / 0.297	- / 0.249	- / 0.203	- / -	- / 94.088
5 / RADAR SYSTEM MODIFICATION (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 531.489
6 / LOW OBSERVABLE SIGNATURE AND SUPPORTABILITY MODS (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 43.377
7 / B-2 Massive Ordnance Penetrator (MOP) Integration (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 51.432
8 / B-2 Adaptable Communications Suite (ACS) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 21.037
9 / LOSSM - Structures (Reliability & Maintainability)	P-40a***		- / 4.859	- / 4.630	- / 4.919	- / 4.272	- / -	- / 34.243
10 / 110052 LOSSM - Materials (Reliability & Maintainability)	P-40a***		- / 1.912	- / 1.989	- / 1.982	- / 2.327	- / -	- / 14.880
11 / LOSSM - Diagnostics (Reliability & Maintainability)	P-40a***		- / 1.866	- / 2.189	- / 2.068	- / 2.522	- / -	- / 15.819

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Number / Title:
B00200 / B-2A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101125F, 0101127F **Other Related Program Elements:** 0101127F

Line Item MDAP/MAIS Code: 224 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
12 / B-2 Flex Strike Phase 1 (Capability Improvement)	P-40a***		- / 14.354	- / 6.864	- / -	- / -	- / -	- / 21.218
13 / B61-12 Integration (Capability Improvement)	P-40a***		- / -	- / 8.998	- / 9.166	- / 9.331	- / -	- / 27.495
14 / B-2 Low Cost Engine Modifications (Capability Improvement)	P-40a***		- / 0.709	- / 0.723	- / 0.735	- / 0.748	- / -	- / 10.378
15 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.606	- / 0.617	- / 0.629	- / 0.640	- / -	- / 20.926
8882 / Common Very Low Frequency Terminal (Capability Improvement)	P-3a		- / 18.758	- / 9.407	- / 4.041	- / -	- / -	- / 51.396
Total Gross/Weapon System Cost			- / 53.146	- / 44.854	- / 31.717	- / 28.105	- / -	- / 1,130.773

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: B00200 / B-2A				Modification Number / Title: 8882 / Common Very Low Frequency Terminal				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	-	-	19.190	-	19.190	18.758	9.407	4.041	-	-	51.396
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	19.190	-	19.190	18.758	9.407	4.041	-	-	51.396
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	19.190	-	19.190	18.758	9.407	4.041	-	-	51.396
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	2.054	2.595	-	-	-	4.649
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Common Very Low Frequency (VLF) Receiver (CVR) Increment 1 program provides the B-2 with receive-only, very low bandwidth, secure, survivable strategic communications via a nuclear hardened terminal, antenna, and human-machine interface. This supports the B-2 requirement for media diversity and the B-2 strategic mission, ensuring nuclear command and control of the B-2 fleet. With the usable life span of the MILSTAR satellite constellation and the currently supported B-2 Ultra High Frequency secure waveform uncertain, there is a need for this capability in the 2017 timeframe.

CVR Increment 1 will deliver a VLF capability needed for B-2 strategic nuclear command and control. This program will provide a framework and flexibility to enable future increments for the remainder of the strategic airborne fleet as well as a bridge to future upgrades to the B-2.

The program's acquisition strategy is based on the technical approach of modification and qualification of an existing terminal. This approach supports timely integration and installation onto the B-2 platform, while leveraging existing technology and mature systems that reduce costs and development schedule. During development, three production representative kits will be procured to support integrated development/operational test.

FY2016 is the first year of production funds for Common Very Low Frequency Receiver Increment 1.

Milestone/Development Status

Common Very Low Frequency Receiver conducted a Milestone B decision in July 2013. Engineering and Manufacturing Development contracts were awarded 18 Dec 13 for Group B line replaceable units and 3 June 14 for Group A cabling, technical data, installation hardware, and aircraft installation. The Government has assumed responsibility for system integration and installed performance. The Milestone C decision is expected in fourth quarter Fiscal Year 2016.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force				Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1			P-1 Line Item Number / Title: B00200 / B-2A			Modification Number / Title: 8882 / Common Very Low Frequency Terminal			

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total Obligation Authority		-	-	19.190	-	19.190	18.758	9.407	4.041	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	-	19.190	-	19.190	18.758	9.407	4.041	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1					P-1 Line Item Number / Title: B00200 / B-2A					Modification Number / Title: 8882 / Common Very Low Frequency Terminal			
Models of Systems Affected: B-2				Modification Type: Capability Improvement				Related RDT&E PEs: 0101127F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0101127F	- / 6.219	- / 13.035	- / 45.460	1 / 42.070	- / -	1 / 42.070	2 / 16.876	- / -	- / -	- / -	- / -	3 / 123.660	
Procurement													
Modification Item 1 of 1: Antenna													
A Kits													
Recurring													
Antenna:INSTALL KITS Group A (Active)	- / -	- / -	- / -	7 / 5.289	- / -	7 / 5.289	10 / 5.135	- / -	- / -	- / -	- / -	17 / 10.424	
Subtotal: Recurring	- / -	- / -	- / -	- / 5.289	- / -	- / 5.289	- / 5.135	- / -	- / -	- / -	- / -	- / 10.424	
B Kits													
Recurring													
Antenna:EQUIPMENT Group B (Active)	- / -	- / -	- / -	7 / 9.626	- / -	7 / 9.626	10 / 9.718	- / -	- / -	- / -	- / -	17 / 19.344	
Subtotal: Recurring	- / -	- / -	- / -	- / 9.626	- / -	- / 9.626	- / 9.718	- / -	- / -	- / -	- / -	- / 19.344	
Subtotal: Antenna	- / -	- / -	- / -	- / 14.915	- / -	- / 14.915	- / 14.853	- / -	- / -	- / -	- / -	- / 29.768	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / 14.915	- / -	- / 14.915	- / 14.853	- / -	- / -	- / -	- / -	- / 29.768	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.903	- / -	- / -	- / -	- / -	- / 10.903	
Change Orders	- / -	- / -	- / -	- / 11.143	- / -	- / 11.143	- / 10.701	- / 11.729	- / 10.576	- / -	- / -	- / 14.149	
SIM/TRAINER	- / -	- / -	- / -	- / 12.511	- / -	- / 12.511	- / -	- / -	- / -	- / -	- / -	- / 12.511	
PMA - Other Gov't Costs	- / -	- / -	- / -	- / 10.621	- / -	- / 10.621	- / 10.721	- / 10.560	- / 10.261	- / -	- / -	- / 12.163	
Subtotal: Support	- / -	- / -	- / -	- / 4.275	- / -	- / 4.275	- / 2.325	- / 2.289	- / 0.837	- / -	- / -	- / 9.726	
Installation													
Modification Item 1 of 1: Antenna	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.580	8 / 7.118	5 / 3.204	- / -	- / -	17 / 11.902	
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.580	8 / 7.118	5 / 3.204	- / -	- / -	17 / 11.902	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	19.190	-	19.190	18.758	9.407	4.041	-	-	51.396	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 8882 / Common Very Low Frequency Terminal

Modification Item 1 of 1: Antenna

Manufacturer Information

Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 10				Production Leadtime (in Months): 8			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Sep 2016	Aug 2017			
Delivery Dates			May 2017	Apr 2018			

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.580	3 / 2.669	- / -	- / -	- / -	7 / 4.249
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 4.449	5 / 3.204	- / -	- / -	10 / 7.653
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.580	8 / 7.118	5 / 3.204	- / -	- / -	17 / 11.902

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	2	2	2	2	1	2	2	-	-	-	-	-	-	-	17
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	2	2	2	2	2	2	2	-	-	-	-	-	-	17

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	P-1 Line Item Number / Title: B01B00 / B-1B
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0101126F						Other Related Program Elements: 0101126F					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	696.886	139.135	219.869	114.119	-	114.119	122.355	75.576	88.035	21.824	-	1,477.799
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	696.886	139.135	219.869	114.119	-	114.119	122.355	75.576	88.035	21.824	-	1,477.799
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	696.886	139.135	219.869	114.119	-	114.119	122.355	75.576	88.035	21.824	-	1,477.799
<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 Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The B-1B Lancer is a swing-wing, supersonic, long-range, conventional bomber. It carries the largest payload of both guided and unguided weapons in the Air Force inventory. The multi-mission B-1B is the backbone of America's long-range bomber force and can rapidly deliver massive quantities of precision and non-precision weapons against any adversary, anywhere in the world, at any time. The current service life extends beyond 2040. The specific modifications budgeted and programmed are below.

This line item funds modifications to the B-1B aircraft and associated simulators and equipment. Funding for this exhibit contained in PE 0101126F.

The FY2016 funding request was reduced by \$15.099 million to account for the availability of prior execution balances.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Number / Title:
B01B00 / B-1B

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101126F **Other Related Program Elements:** 0101126F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Self Contained Attitude Indicator (Capability Improvement)	P-40a***		- / -	- / -	- / 8.209	- / 3.562	- / -	- / 3.562
2 / Gyro Stabilization System (GSS) (Reliability & Maintainability)	P-40a***		- / 60.216	- / 2.203	- / 0.701	- / -	- / -	- / -
3 / Inertial Navigation System (INS) (Capability Improvement)	P-40a***		- / 54.884	- / 0.062	- / 4.103	- / -	- / -	- / -
4 / B-1 TRAINING SUPPORT (Capability Improvement)	P-40a***		- / 1.349	- / 0.333	- / 0.427	- / 0.438	- / -	- / 0.438
5 / Digital Communications (Other)	P-40a***		- / 36.667	- / 2.175	- / 0.100	- / 0.100	- / -	- / 0.100
6 / RADAR IMPROVEMENT UPGRADE (Reliability & Maintainability)	P-40a***		- / 155.500	- / 1.417	- / 1.265	- / -	- / -	- / -
7 / B-1 Link 16 Crypto (Other)	P-40a***		- / -	- / -	- / 0.223	- / 1.011	- / -	- / 1.011
8 / LAPTOP CONTROLLED TARGETING POD (Capability Improvement)	P-40a***		- / 68.694	- / 0.005	- / 0.100	- / 0.100	- / -	- / 0.100
9 / B-1 Modified Antenna Select (Capability Improvement)	P-40a***		- / -	- / -	- / 2.019	- / -	- / -	- / -
10 / F101 Engine SLEP (Service Life Extension)	P-40a***		- / -	- / 35.000	- / 89.860	- / -	- / -	- / -
11 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 3.898	- / 0.084	- / 0.100	- / 0.100	- / -	- / 0.100
4280 / Fully Integrated Data Links (Capability Improvement)	P-3a		- / 185.430	- / 50.754	- / 51.572	- / 47.547	- / -	- / 47.547
4284 / CITS UPGRADE (Service Life Extension)	P-3a		- / 46.670	- / 14.996	- / 20.514	- / 18.650	- / -	- / 18.650
8971 / VERTICAL SITUATION DISPLAYS (Service Life Extension)	P-3a		- / 83.578	- / 32.106	- / 40.676	- / 42.611	- / -	- / 42.611
Total Gross/Weapon System Cost			- / 696.886	- / 139.135	- / 219.869	- / 114.119	- / -	- / 114.119

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Self Contained Attitude Indicator (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 11.771
2 / Gyro Stabilization System (GSS) (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 63.120
3 / Inertial Navigation System (INS) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 59.049
4 / B-1 TRAINING SUPPORT (Capability Improvement)	P-40a***		- / 0.447	- / 0.455	- / 0.463	- / 0.471	- / -	- / 4.383
5 / Digital Communications (Other)	P-40a***		- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 39.442
6 / RADAR IMPROVEMENT UPGRADE (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 158.182
7 / B-1 Link 16 Crypto (Other)	P-40a***		- / 1.392	- / 0.539	- / 0.800	- / -	- / -	- / 3.965
8 / LAPTOP CONTROLLED TARGETING POD (Capability Improvement)	P-40a***		- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 69.299
9 / B-1 Modified Antenna Select (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 2.019
10 / F101 Engine SLEP (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 124.860
11 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.100	- / 0.100	- / 0.120	- / 0.100	- / -	- / 4.602
4280 / Fully Integrated Data Links (Capability Improvement)	P-3a		- / 54.987	- / 27.759	- / 33.637	- / 10.953	- / -	- / 462.639
4284 / CITS UPGRADE (Service Life Extension)	P-3a		- / 22.354	- / 14.627	- / 16.760	- / 1.400	- / -	- / 155.971
8971 / VERTICAL SITUATION DISPLAYS (Service Life Extension)	P-3a		- / 42.875	- / 31.896	- / 36.055	- / 8.700	- / -	- / 318.497
Total Gross/Weapon System Cost			- / 122.355	- / 75.576	- / 88.035	- / 21.824	- / -	- / 1,477.799

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft		P-1 Line Item Number / Title: B01B00 / B-1B
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0101126F	Other Related Program Elements: 0101126F
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.		

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B01B00 / B-1B	Modification Number / Title: 4280 / Fully Integrated Data Links
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	185.430	50.754	51.572	47.547	-	47.547	54.987	27.759	33.637	10.953	-	462.639
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	185.430	50.754	51.572	47.547	-	47.547	54.987	27.759	33.637	10.953	-	462.639
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	185.430	50.754	51.572	47.547	-	47.547	54.987	27.759	33.637	10.953	-	462.639

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

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

Description:

Fully Integrated Data Link (FIDL) is a net-centric warfare upgrade enabling full B-1B participation in joint combat and time-critical targeting operations. FIDL adds line-of-sight and beyond line-of-sight command and control (C2) connectivity through the addition of Link 16 and Joint Range Extension (JRE) data link. Modification funds will procure and install Group A and B kits for the FIDL upgrade to the B-1B. This modification provides two tactical data processors and five multi-function displays for the B-1B aft crew stations. This modification also adds an Ethernet infrastructure enabling rapid airborne re-targeting by high-speed transfer of aircraft information to all four crew stations and on-board weapons. FIDL installations are scheduled concurrently with Central Integrated Test System (CITS) and Vertical Situation Display Upgrade (VSDU) to reduce installation costs, aircraft downtime, and to keep fielded aircraft configurations to a minimum for aircrew training, maintenance, and operational deployment efficiencies. Modification funding is being used to alleviate Diminishing Manufacturing Sources (DMS) and Material Shortages (DMSMS) issues. DMSMS activities can include, but are not limited to, life of type buy or minor redesign. Procurement modification funding will be used to establish depot repair capability and for Interim Contractor Support (ICS). Activities comprised in the equipment non-recurring line include, but are not limited to, production test equipment and tooling. Group B non-recurring also includes Systems Engineering Program Management (SEPM).

Requirement list in ORD: B-1B Conventional Mission Upgrade Program (26 Jan 05) (ORD CAF-357-92 (SAC 007-92) I/II-A, Rev 2, Annex A).

Milestone/Development Status

The EMD phase completed October 2011.
Two aircraft were modified using Research Development Test and Evaluation (RDT&E) funding in PE 0604226F / 0101126F.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1					P-1 Line Item Number / Title: B01B00 / B-1B					Modification Number / Title: 4280 / Fully Integrated Data Links			
Models of Systems Affected: B-1B				Modification Type: Capability Improvement				Related RDT&E PEs: 0101126F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0101126F	- / 162.988	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 162.988	
Procurement													
Modification Item 1 of 1: IBS													
A Kits													
Recurring													
IBS:INSTALL KITS Group A (Active)	28 / 10.018	15 / 5.900	3 / 1.180	10 / 4.051	- / -	10 / 4.051	4 / 1.669	- / -	- / -	- / -	- / -	60 / 22.818	
<i>Subtotal: Recurring</i>	- / 10.018	- / 5.900	- / 1.180	- / 4.051	- / -	- / 4.051	- / 1.669	- / -	- / -	- / -	- / -	- / 22.818	
B Kits													
Recurring													
IBS:EQUIPMENT Group B (Active)	28 / 69.990	15 / 27.434	3 / 5.487	10 / 18.838	- / -	10 / 18.838	4 / 7.761	- / -	- / -	- / -	- / -	60 / 129.510	
<i>Subtotal: Recurring</i>	- / 69.990	- / 27.434	- / 5.487	- / 18.838	- / -	- / 18.838	- / 7.761	- / -	- / -	- / -	- / -	- / 129.510	
<i>Subtotal: IBS</i>	- / 80.008	- / 33.334	- / 6.667	- / 22.889	- / -	- / 22.889	- / 9.430	- / -	- / -	- / -	- / -	- / 152.328	
<i>Subtotal: Procurement, All Modification Items</i>	- / 80.008	- / 33.334	- / 6.667	- / 22.889	- / -	- / 22.889	- / 9.430	- / -	- / -	- / -	- / -	- / 152.328	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 46.158	- / -	- / 11.059	- / 2.000	- / -	- / 2.000	- / 5.000	- / 1.938	- / -	- / -	- / -	- / 66.155	
Change Orders	- / 10.961	- / 0.512	- / 5.747	- / 1.607	- / -	- / 1.607	- / 6.916	- / 0.365	- / 1.607	- / 1.153	- / -	- / 28.868	
Data	- / 2.069	- / -	- / 0.025	- / 0.025	- / -	- / 0.025	- / 0.025	- / 0.025	- / 2.162	- / 0.700	- / -	- / 5.031	
SIM/TRAINER	0 / 4.965	- / -	1 / 0.806	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.771	
SUPPORT-EQUIP	- / 29.248	- / 1.928	- / 6.156	- / 1.000	- / -	- / 1.000	- / 12.050	- / 3.933	- / 8.346	- / -	- / -	- / 62.661	
ICS-Labor	- / 1.635	- / 0.292	- / 2.074	- / 0.895	- / -	- / 0.895	- / 1.850	- / 0.600	- / 0.500	- / 8.050	- / -	- / 15.896	
ICS-Material	- / -	- / 3.469	- / 3.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.469	
OTHER GOVT	- / 2.574	- / 0.223	- / 1.645	- / 0.260	- / -	- / 0.260	- / 0.124	- / 0.600	- / 0.788	- / 1.050	- / -	- / 17.264	
PMA - Contractor Services	- / 2.576	- / 0.429	- / 1.093	- / 1.577	- / -	- / 1.577	- / 1.605	- / 1.634	- / 2.495	- / -	- / -	- / 11.409	
PMA - Other Gov't Costs	- / 0.069	- / 0.066	- / 0.133	- / 0.453	- / -	- / 0.453	- / 0.461	- / 0.469	- / 0.717	- / -	- / -	- / 2.368	
<i>Subtotal: Support</i>	0 / 100.255	- / 6.919	1 / 31.738	- / 7.817	- / -	- / 7.817	- / 28.031	- / 9.564	- / 16.615	- / 10.953	- / -	1 / 211.892	
Installation													
Modification Item 1 of 1: IBS	4 / 5.167	7 / 10.501	10 / 13.167	10 / 16.841	- / -	10 / 16.841	10 / 17.526	10 / 18.195	9 / 17.022	- / -	- / -	60 / 98.419	
<i>Subtotal: Installation</i>	4 / 5.167	7 / 10.501	10 / 13.167	10 / 16.841	- / -	10 / 16.841	10 / 17.526	10 / 18.195	9 / 17.022	- / -	- / -	60 / 98.419	
Total													
Total Cost (Procurement + Support + Installation)	185.430	50.754	51.572	47.547	-	47.547	54.987	27.759	33.637	10.953	-	462.639	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B01B00 / B-1B	Modification Number / Title: 4280 / Fully Integrated Data Links

Modification Item 1 of 1: IBS

Manufacturer Information

Manufacturer Name: Boeing				Manufacturer Location: Oklahoma City, OK			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 18			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Feb 2014	Jun 2015	Feb 2016	Feb 2017			
Delivery Dates	Aug 2015	Dec 2016	Aug 2017	Aug 2018			

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 5.167	7 / 10.501	10 / 13.167	7 / 11.789	- / -	7 / 11.789	- / -	- / -	- / -	- / -	- / -	28 / 40.624
FY 2014	- / -	- / -	- / -	3 / 5.052	- / -	3 / 5.052	10 / 17.526	2 / 3.639	- / -	- / -	- / -	15 / 26.217
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.459	- / -	- / -	- / -	3 / 5.459
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 9.097	5 / 9.457	- / -	- / -	10 / 18.554
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.565	- / -	- / -	4 / 7.565
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 5.167	7 / 10.501	10 / 13.167	10 / 16.841	- / -	10 / 16.841	10 / 17.526	10 / 18.195	9 / 17.022	- / -	- / -	60 / 98.419

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	1	-	-	-	-	-	60
Out	0	-	2	1	1	3	3	3	2	3	2	3	2	3	3	2	2	3	2	3	2	3	2	3	2	3	2	-	-	-	60

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: B01B00 / B-1B				Modification Number / Title: 4284 / CITS UPGRADE				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	46.670	14.996	20.514	18.650	-	18.650	22.354	14.627	16.760	1.400	-	155.971
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	46.670	14.996	20.514	18.650	-	18.650	22.354	14.627	16.760	1.400	-	155.971
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	46.670	14.996	20.514	18.650	-	18.650	22.354	14.627	16.760	1.400	-	155.971

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Central Integrated Test System (CITS) is the B-1B on-board diagnostic system that monitors aircraft avionics and mechanical systems on the ground and during flight, reporting faults to aircrew and maintainers. The current CITS suffers from Diminishing Manufacturing Source (DMS) issues with the potential to ground aircraft. Current CITS processor is also at maximum memory/throughput, inhibiting fault detection and isolation for current systems and future B-1B upgrades. Modification funds will procure and install Group A and Group B kits for the CITS upgrade to the B-1B. This modification provides a new CITS Dedicated Processor (CDP), upgraded Multi-Functional Display (MFD), and re-hosted CITS software, resulting in enhanced diagnostic capabilities, improved turnaround time, and reduced maintenance costs. CITS installations are scheduled concurrently with the Fully Integrated Data Link (FIDL) and the Vertical Situation Display Upgrade (VSDU) to reduce installation costs, aircraft downtime, and to keep fielded aircraft configurations to a minimum for aircrew training, maintenance, and operational deployment efficiencies. Modification funding is being used to alleviate Diminishing Manufacturing Sources and Material Shortages (DMSMS). DMSMS activities can include, but are not limited to, life of type buy or minor redesign. Procurement modification funding will be used to establish depot repair capability and for Interim Contractor Support (ICS). Activities comprised in the equipment non-recurring line include, but are not limited to, production test equipment and tooling. Group B non-recurring also includes Systems Engineering Program Management (SEPM).

Requirement listed in ORD: B-1B Conventional Mission Upgrade Program (26 Jan 05) (ORD CAF-357-92 (SAC 007-92) I/II-A, Rev 2, Annex A).

Milestone/Development Status

The Engineering & Manufacturing Development phase completed Oct 10. Two aircraft were modified using Research Development Test and Evaluation (RDT&E) funding in PE 0604226F / 0101126F.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1					P-1 Line Item Number / Title: B01B00 / B-1B					Modification Number / Title: 4284 / CITS UPGRADE			
Models of Systems Affected: B-1B				Modification Type: Service Life Extension				Related RDT&E PEs: 0101126F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0101126F	- / 49.635	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 49.635	
Procurement													
Modification Item 1 of 1: IBS (2)													
A Kits													
Recurring													
IBS:INSTALL KITS Group A (Active)	28 / 2.221	15 / 1.222	3 / 0.245	10 / 0.839	- / -	10 / 0.839	4 / 0.346	- / -	- / -	- / -	- / -	60 / 4.873	
<i>Subtotal: Recurring</i>	- / 2.221	- / 1.222	- / 0.245	- / 0.839	- / -	- / 0.839	- / 0.346	- / -	- / -	- / -	- / -	- / 4.873	
B Kits													
Recurring													
IBS:EQUIPMENT Group B (Active)	28 / 10.763	15 / 5.682	3 / 1.136	10 / 3.902	- / -	10 / 3.902	4 / 1.608	- / -	- / -	- / -	- / -	60 / 23.091	
<i>Subtotal: Recurring</i>	- / 10.763	- / 5.682	- / 1.136	- / 3.902	- / -	- / 3.902	- / 1.608	- / -	- / -	- / -	- / -	- / 23.091	
<i>Subtotal: IBS (2)</i>	- / 12.984	- / 6.904	- / 1.381	- / 4.741	- / -	- / 4.741	- / 1.954	- / -	- / -	- / -	- / -	- / 27.964	
<i>Subtotal: Procurement, All Modification Items</i>	- / 12.984	- / 6.904	- / 1.381	- / 4.741	- / -	- / 4.741	- / 1.954	- / -	- / -	- / -	- / -	- / 27.964	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 20.048	- / 0.289	- / 2.291	- / 1.400	- / -	- / 1.400	- / 3.978	- / 0.415	- / -	- / -	- / -	- / 28.421	
Change Orders	- / 2.290	- / 0.168	- / 6.234	- / 0.625	- / -	- / 0.625	- / 1.299	- / 1.508	- / 1.190	- / -	- / -	- / 13.314	
Data	- / 1.293	- / -	- / 0.011	- / 0.011	- / -	- / 0.011	- / 0.011	- / 0.011	- / 1.408	- / 0.320	- / -	- / 3.065	
SIM/TRAINER	0 / 2.408	- / -	- / 0.269	- / -	- / -	- / -	- / 1.209	- / -	- / -	- / -	- / -	- / 3.886	
SUPPORT-EQUIP	- / 3.669	- / 2.611	- / 4.196	- / 1.000	- / -	- / 1.000	- / 3.006	- / 1.385	- / 3.706	- / -	- / -	- / 19.573	
ICS-Labor	- / 0.085	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.085	
ICS-Material	- / -	- / 0.817	- / 0.769	- / 0.895	- / -	- / 0.895	- / 0.939	- / 0.995	- / 1.055	- / 0.900	- / -	- / 6.370	
OTHER GOVT	- / 0.655	- / 0.016	- / 0.794	- / 0.824	- / -	- / 0.824	- / 0.804	- / 0.417	- / 0.158	- / 0.180	- / -	- / 3.848	
PMA - Contractor Services	- / 0.204	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.204	
PMA - Other Gov't Costs	- / 0.598	- / 0.062	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.660	
<i>Subtotal: Support</i>	0 / 31.250	- / 3.963	- / 14.564	- / 4.755	- / -	- / 4.755	- / 11.246	- / 4.731	- / 7.517	- / 1.400	- / -	- / 79.426	
Installation													
Modification Item 1 of 1: IBS (2)	4 / 2.436	7 / 4.129	10 / 4.569	10 / 9.154	- / -	10 / 9.154	10 / 9.154	10 / 9.896	9 / 9.243	- / -	- / -	60 / 48.581	
<i>Subtotal: Installation</i>	4 / 2.436	7 / 4.129	10 / 4.569	10 / 9.154	- / -	10 / 9.154	10 / 9.154	10 / 9.896	9 / 9.243	- / -	- / -	60 / 48.581	
Total													
Total Cost (Procurement + Support + Installation)	46.670	14.996	20.514	18.650	-	18.650	22.354	14.627	16.760	1.400	-	155.971	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B01B00 / B-1B	Modification Number / Title: 4284 / CITS UPGRADE

Modification Item 1 of 1: IBS (2)

Manufacturer Information

Manufacturer Name: Boeing				Manufacturer Location: Oklahoma City, OK			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 18			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Feb 2014	Jun 2015	Feb 2016	Feb 2017			
Delivery Dates	Aug 2015	Dec 2016	Aug 2017	Aug 2018			

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 2.436	7 / 4.129	10 / 4.569	7 / 6.408	- / -	7 / 6.408	- / -	- / -	- / -	- / -	- / -	28 / 17.542
FY 2014	- / -	- / -	- / -	3 / 2.746	- / -	3 / 2.746	10 / 9.154	2 / 1.979	- / -	- / -	- / -	15 / 13.879
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.969	- / -	- / -	- / -	3 / 2.969
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 4.948	5 / 5.135	- / -	- / -	10 / 10.083
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.108	- / -	- / -	4 / 4.108
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 2.436	7 / 4.129	10 / 4.569	10 / 9.154	- / -	10 / 9.154	10 / 9.154	10 / 9.896	9 / 9.243	- / -	- / -	60 / 48.581

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	1	-	-	-	-	-	60
Out	0	-	2	1	1	3	3	3	2	3	2	3	2	3	3	2	2	3	2	3	2	3	2	3	2	3	2	-	-	-	60

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: B01B00 / B-1B						Modification Number / Title: 8971 / VERTICAL SITUATION DISPLAYS		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	83.578	32.106	40.676	42.611	-	42.611	42.875	31.896	36.055	8.700	-	318.497
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	83.578	32.106	40.676	42.611	-	42.611	42.875	31.896	36.055	8.700	-	318.497
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	83.578	32.106	40.676	42.611	-	42.611	42.875	31.896	36.055	8.700	-	318.497
<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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Vertical Situation Display Upgrade (VSDU) is a safety-critical program to replace B-1B pilot and co-pilot primary flight displays and associated flight instruments. The current VSDs are monochrome cathode ray tube displays, which along with the "steam gauge" primary flight instruments, are experiencing Diminishing Manufacturing Sources (DMS) issues with the potential to ground aircraft. Spares are no longer procurable due to obsolescence. Modification funds will procure and install Group A and Group B kits for the VSDU upgrade to the B-1B. This modification installs two 8"x6" color displays at pilot and co-pilot stations to provide Primary Flight Information (PFI) and backup PFI to meet flight safety standards. These displays also provide front crew situational awareness from the Fully Integrated Data Link (FIDL) enhancing the ability to avoid threats and strike emerging targets. VSDU installations are scheduled concurrently with Central Integrated Test System (CITS) and FIDL to reduce installation costs, aircraft downtime, and to keep fielded aircraft configurations to a minimum for aircrew training, maintenance, and operational deployment efficiencies. Modification funding will be used for DMS and Material Shortages (DMSMS). DMSMS activities can include, but are not limited to, life of type buy or minor redesign. Procurement modification funding will be used to establish depot repair capability and for Interim Contractor Support (ICS). Activities comprised in the equipment non-recurring line include, but are not limited to, production test equipment and tooling. Group B non-recurring also includes Systems Engineering Program Management (SEPM).

Requirement listed in ORD: B-1B Conventional Mission Upgrade Program (26 Jan 05) (ORD CAF-357-92 (SAC 007-92) I/II-A, Rev 2, Annex A).

Milestone/Development Status

The Engineering & Manufacturing Development (EMD) phase completed in March 2014. Two aircraft were modified as a part of the development program and funded with RDT&E funding in PE 0604226F / 0101126F.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force											Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: B01B00 / B-1B					Modification Number / Title: 8971 / VERTICAL SITUATION DISPLAYS				
Models of Systems Affected: B-1B				Modification Type: Service Life Extension					Related RDT&E PEs: 0101126F				
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0101126F	- / 166.669	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 166.669	
Procurement													
Modification Item 1 of 1: IBS (3)													
A Kits													
Recurring													
IBS:INSTALL KITS Group A (Active)	28 / 4.615	15 / 2.967	3 / 0.593	10 / 2.037	- / -	10 / 2.037	4 / 0.839	- / -	- / -	- / -	- / -	60 / 11.051	
Subtotal: Recurring	- / 4.615	- / 2.967	- / 0.593	- / 2.037	- / -	- / 2.037	- / 0.839	- / -	- / -	- / -	- / -	- / 11.051	
B Kits													
Recurring													
IBS:EQUIPMENT Group B (Active)	28 / 31.303	15 / 11.989	3 / 2.759	10 / 9.473	- / -	10 / 9.473	4 / 3.903	- / -	- / -	- / -	- / -	60 / 59.427	
Subtotal: Recurring	- / 31.303	- / 11.989	- / 2.759	- / 9.473	- / -	- / 9.473	- / 3.903	- / -	- / -	- / -	- / -	- / 59.427	
Subtotal: IBS (3)	- / 35.918	- / 14.956	- / 3.352	- / 11.510	- / -	- / 11.510	- / 4.742	- / -	- / -	- / -	- / -	- / 70.478	
Subtotal: Procurement, All Modification Items	- / 35.918	- / 14.956	- / 3.352	- / 11.510	- / -	- / 11.510	- / 4.742	- / -	- / -	- / -	- / -	- / 70.478	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 18.573	- / -	- / 5.561	- / 2.769	- / -	- / 2.769	- / -	- / 1.021	- / -	- / -	- / -	- / 27.924	
Change Orders	- / 6.726	- / -	- / 5.191	- / 2.100	- / -	- / 2.100	- / 3.274	- / 2.460	- / 3.775	- / 1.600	- / -	- / 25.126	
Data	- / 1.503	- / -	- / 0.015	- / 0.015	- / -	- / 0.015	- / 0.015	- / 0.015	- / 1.254	- / 1.600	- / -	- / 4.417	
SIM/TRAINER	1 / 3.686	- / -	- / -	- / -	- / -	- / -	1 / 5.984	- / -	- / -	- / -	- / -	2 / 9.670	
SUPPORT-EQUIP	- / 5.981	- / 3.442	- / 5.917	- / 1.186	- / -	- / 1.186	- / 1.962	- / 3.096	- / 4.219	- / -	- / -	- / 25.803	
ICS-Labor	- / 0.161	- / 0.357	- / 0.500	- / 1.250	- / -	- / 1.250	- / 1.626	- / 1.200	- / 2.800	- / 5.500	- / -	- / 13.394	
ICS-Material	- / -	- / 1.780	- / 3.550	- / 1.577	- / -	- / 1.577	- / 1.605	- / -	- / -	- / -	- / -	- / 8.512	
OTHER GOVT	- / 1.499	- / -	- / 1.771	- / 2.630	- / -	- / 2.630	- / 3.268	- / 2.907	- / 4.212	- / -	- / -	- / 19.287	
PMA - Contractor Services	- / 2.820	- / 0.919	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.739	
PMA - Other Gov't Costs	- / 0.411	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.411	
Subtotal: Support	1 / 41.360	- / 6.498	- / 25.505	- / 11.527	- / -	- / 11.527	1 / 17.734	- / 10.699	- / 16.260	- / 8.700	- / -	2 / 138.283	
Installation													
Modification Item 1 of 1: IBS (3)	4 / 6.300	7 / 10.652	10 / 11.819	10 / 19.574	- / -	10 / 19.574	10 / 20.399	10 / 21.197	9 / 19.795	- / -	- / -	60 / 109.736	
Subtotal: Installation	4 / 6.300	7 / 10.652	10 / 11.819	10 / 19.574	- / -	10 / 19.574	10 / 20.399	10 / 21.197	9 / 19.795	- / -	- / -	60 / 109.736	
Total													
Total Cost (Procurement + Support + Installation)	83.578	32.106	40.676	42.611	-	42.611	42.875	31.896	36.055	8.700	-	318.497	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B01B00 / B-1B	Modification Number / Title: 8971 / VERTICAL SITUATION DISPLAYS

Modification Item 1 of 1: IBS (3)

Manufacturer Information

Manufacturer Name: Boeing	Manufacturer Location: Oklahoma City, OK
Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 18

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Feb 2014	Jun 2015	Feb 2016	Feb 2017			
Delivery Dates	Aug 2015	Dec 2016	Aug 2017	Aug 2018			

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 6.300	7 / 10.652	10 / 11.819	7 / 13.702	- / -	7 / 13.702	- / -	- / -	- / -	- / -	- / -	28 / 42.473
FY 2014	- / -	- / -	- / -	3 / 5.872	- / -	3 / 5.872	10 / 20.399	2 / 4.239	- / -	- / -	- / -	15 / 30.510
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.359	- / -	- / -	- / -	3 / 6.359
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 10.599	5 / 10.997	- / -	- / -	10 / 21.596
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 8.798	- / -	- / -	4 / 8.798
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 6.300	7 / 10.652	10 / 11.819	10 / 19.574	- / -	10 / 19.574	10 / 20.399	10 / 21.197	9 / 19.795	- / -	- / -	60 / 109.736

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	4	-	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	1	-	-	-	-	-	60
Out	0	-	2	1	1	3	3	3	2	3	2	3	2	3	3	2	2	3	2	3	2	3	2	3	2	3	2	-	-	-	60

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	P-1 Line Item Number / Title: B05200 / B-52
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0101113F						Other Related Program Elements: 0101113F					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	104.601	90.803	176.448	148.987	-	148.987	147.006	114.965	98.014	32.277	5.600	918.701
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	104.601	90.803	176.448	148.987	-	148.987	147.006	114.965	98.014	32.277	5.600	918.701
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	104.601	90.803	176.448	148.987	-	148.987	147.006	114.965	98.014	32.277	5.600	918.701
<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 Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds modifications to the B-52H aircraft. The B-52H strategic bomber maintains nuclear and conventional taskings. The Air Force maintains 76 B-52Hs in its inventory. The B-52H has a certified service life of 27,701 flight hours with an average of 9,169 hours remaining as of January, 2015. The specific modifications budgeted and programmed are below.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Funding for the exhibit contained in PE 0101113F. Funding under this PE may be used to alleviate Diminishing Manufacturing Sources (DMS) issues. AFAF funds for B-52 are also executed under two additional PEs, Maintenance Trainer Modifications (PE 0809731F) and New START Treaty Implementation (PE 0305145F).

The FY2016 funding request was reduced by \$4.038 million to account for the availability of prior execution balances.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	86.481	161.169	134.875	-	134.875	131.766	108.096	84.154	32.277
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	4.322	15.279	14.112	-	14.112	15.240	6.869	13.860	-
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft					P-1 Line Item Number / Title: B05200 / B-52					
ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items: 0101113F			Other Related Program Elements: 0101113F				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	90.803	176.448	148.987	-	148.987	147.006	114.965	98.014	32.277

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	P-1 Line Item Number / Title: B05200 / B-52
--	---

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101113F **Other Related Program Elements:** 0101113F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Enhanced Data Link (EDL) (Capability Improvement)	P-40a***		- / 3.567	- / -	- / -	- / -	- / -	- / -
2 / Multi-Mode Receiver-2020 Instrument landing System (Capability Improvement)	P-40a***		- / 3.840	- / -	- / -	- / -	- / -	- / -
3 / B-52 Anti-Skid Replacement (Reliability & Maintainability)	P-40a***		- / -	- / 4.637	- / 17.304	- / 0.883	- / -	- / 0.883
4 / ADVANCED WEAPON INTEGRATION (Capability Improvement)	P-40a***		- / 10.043	- / -	- / -	- / -	- / -	- / -
5 / AETC Trainers (B-52) (Other)	P-40a***		- / 1.113	- / 1.836	- / 2.353	- / 2.390	- / -	- / 2.390
6 / B-52 Structures (Other)	P-40a***		- / 0.100	- / -	- / -	- / -	- / -	- / -
7 / System Effectiveness and Evolutionary Requirements (Other)	P-40a***		- / 0.100	- / -	- / -	- / -	- / -	- / -
8 / B-52 New Start Treaty (Other)	P-40a***		- / -	- / 0.500	- / 0.698	- / 0.099	- / -	- / 0.099
9 / B-52 Mode S/5 (Capability Improvement)	P-40a***		- / -	- / 9.590	- / 12.626	- / 2.488	- / -	- / 2.488
10 / B-52 Low Cost Mods (Other)	P-40a***		- / 0.435	- / 0.019	- / 0.590	- / 0.436	- / -	- / 0.436
3310 / B-52 Combat Network Communications Technology (Capability Improvement)	P-3a		- / 85.043	- / 74.221	- / 136.153	- / 128.219	- / -	- / 128.219
6884 / B-52 Internal Weapons Bay Upgrade (Capability Improvement)	P-3a		- / 0.360	- / -	- / 6.724	- / 14.472	- / -	- / 14.472
Total Gross/Weapon System Cost			- / 104.601	- / 90.803	- / 176.448	- / 148.987	- / -	- / 148.987

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Enhanced Data Link (EDL) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 3.567
2 / Multi-Mode Receiver-2020 Instrument landing System (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 3.840
3 / B-52 Anti-Skid Replacement (Reliability & Maintainability)	P-40a***		- / 0.897	- / 0.915	- / 0.931	- / 0.947	- / -	- / 26.514
4 / ADVANCED WEAPON INTEGRATION (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 10.043
5 / AETC Trainers (B-52) (Other)	P-40a***		- / 2.427	- / 2.476	- / 2.520	- / 2.563	- / -	- / 17.678
6 / B-52 Structures (Other)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.100
7 / System Effectiveness and Evolutionary Requirements (Other)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.100
8 / B-52 New Start Treaty (Other)	P-40a***		- / 0.198	- / -	- / -	- / -	- / -	- / 1.495
9 / B-52 Mode S/5 (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 24.704
10 / B-52 Low Cost Mods (Other)	P-40a***		- / 0.443	- / 0.453	- / 0.460	- / 0.468	- / -	- / 3.304
3310 / B-52 Combat Network Communications Technology (Capability Improvement)	P-3a		- / 139.317	- / 110.748	- / 52.542	- / 27.637	- / 5.600	- / 759.480
6884 / B-52 Internal Weapons Bay Upgrade (Capability Improvement)	P-3a		- / 3.724	- / 0.373	- / 41.561	- / 0.662	- / -	- / 67.876
Total Gross/Weapon System Cost			- / 147.006	- / 114.965	- / 98.014	- / 32.277	- / 5.600	- / 918.701

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	P-1 Line Item Number / Title: B05200 / B-52	
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0101113F	Other Related Program Elements: 0101113F

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: B05200 / B-52						Modification Number / Title: 3310 / B-52 Combat Network Communications Technology		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	85.043	74.221	136.153	128.219	-	128.219	139.317	110.748	52.542	27.637	5.600	759.480
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	85.043	74.221	136.153	128.219	-	128.219	139.317	110.748	52.542	27.637	5.600	759.480
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	85.043	74.221	136.153	128.219	-	128.219	139.317	110.748	52.542	27.637	5.600	759.480
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	5.966	5.474	-	5.474	5.396	-	-	-	-	16.836
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The B-52 Combat Network Communication Technology (CONNECT) acquisition program supports nuclear and conventional operations by upgrading the B-52 fleet with data link and voice communications capabilities along with improved threat and situational awareness to support participation in network centric operations. This CONNECT modification includes procurement of aircraft kits that will be installed in conjunction with Programmed Depot Maintenance (PDM). Ground station mission planning hardware, support equipment, initial spares, and Interim Contractor Support will be procured. Additional initial support/readiness efforts will develop and upgrade B-52 training devices with CONNECT functionality. The change order line includes, Diminishing Manufacturing Sources (DMS) costs to maintain the production configuration. Government Furnished Property (GFP) are the items that are part of the kit, but are procured by the government, directly through government supply or from other government agencies. Included in the Support Equipment line is the planning for establishment of an organic Depot capability, and procurement of depot equipment. This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 0101113F. NOTE: This modification procures 74 kits and installs 75 kits. Two kits were procured previously in 2007 under the EMD contract to support developmental testing. Only one kit was installed on the flight test aircraft to complete developmental testing. The excess EMD kit was re-designated for a kit-proof kit, and was installed in FY13/FY14 during PDM.

Milestone/Development Status

Development began in FY05. CONNECT Initial Operational Test & Evaluation (IOT&E) flight test completed November 2011. The Low Rate Initial Production (LRIP) Lot 1 contract awarded in May 2013. The LRIP Lot 2 contract awarded August 2014. NOTE: The Test Jet 60-0036 had CONNECT installed during development. The kitproof jet completed CONNECT installation in Apr 14. The kitproof kit was procured under development.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	70.149	125.939	114.107	-	114.107	124.437	103.879	39.624	27.637
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	4.072	10.214	14.112	-	14.112	14.880	6.869	12.918	-
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1			P-1 Line Item Number / Title: B05200 / B-52				Modification Number / Title: 3310 / B-52 Combat Network Communications Technology			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	74.221	136.153	128.219	-	128.219	139.317	110.748	52.542	27.637

--	--	--	--	--	--	--	--	--	--	--

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1					P-1 Line Item Number / Title: B05200 / B-52					Modification Number / Title: 3310 / B-52 Combat Network Communications Technology			
Models of Systems Affected: B-52H				Modification Type: Capability Improvement				Related RDT&E PEs: 0101113F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0101113F	2 / 286.965	- / 12.108	- / 8.323	- / 11.225	- / -	- / 11.225	- / 12.808	- / 9.097	- / 11.369	- / -	- / -	2 / 351.895	
Procurement													
Modification Item 1 of 1: CONECT Kit													
A Kits													
Recurring													
CONECT Kit:INSTALL KITS Group A (Active)	8 / 6.940	8 / 5.600	14 / 10.248	12 / 9.120	- / -	12 / 9.120	9 / 7.110	3 / 5.371	3 / 1.620	- / -	- / -	57 / 46.009	
CONECT Kit:INSTALL KITS Group A (Reserve)	- / -	2 / 1.400	3 / 2.332	4 / 3.040	- / -	4 / 3.040	4 / 3.160	1 / 1.429	3 / 3.020	- / -	- / -	17 / 14.381	
Subtotal: Recurring	- / 6.940	- / 7.000	- / 12.580	- / 12.160	- / -	- / 12.160	- / 10.270	- / 6.800	- / 4.640	- / -	- / -	- / 60.390	
B Kits													
Recurring													
CONECT Kit:EQUIPMENT Group B (Active)	8 / 21.279	8 / 30.558	14 / 37.151	12 / 38.376	- / -	12 / 38.376	9 / 31.500	3 / 20.676	3 / 18.111	- / -	- / -	57 / 197.651	
CONECT Kit:EQUIPMENT Group B (Reserve)	- / 0.000	2 / 2.672	3 / 7.882	4 / 5.912	- / -	4 / 5.912	4 / 7.760	- / -	3 / 7.098	- / -	- / -	16 / 31.324	
Subtotal: Recurring	- / 21.279	- / 33.230	- / 45.033	- / 44.288	- / -	- / 44.288	- / 39.260	- / 20.676	- / 25.209	- / -	- / -	- / 228.975	
Subtotal: CONECT Kit	- / 28.219	- / 40.230	- / 57.613	- / 56.448	- / -	- / 56.448	- / 49.530	- / 27.476	- / 29.849	- / -	- / -	- / 289.365	
Subtotal: Procurement, All Modification Items	- / 28.219	- / 40.230	- / 57.613	- / 56.448	- / -	- / 56.448	- / 49.530	- / 27.476	- / 29.849	- / -	- / -	- / 289.365	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / 4.299	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.299	
GROUP B: TOTAL NONRECURRING	- / 17.835	- / 1.537	- / 20.544	- / 13.400	- / -	- / 13.400	- / 12.500	- / 9.200	- / 1.100	- / -	- / -	- / 76.116	
Change Orders	- / 9.353	- / -	- / 11.600	- / 6.800	- / -	- / 6.800	- / 5.300	- / 3.700	- / 1.148	- / -	- / -	- / 37.901	
Data	- / -	- / 0.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.465	
SIM/TRAINER	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 11.600	2 / 6.400	1 / 9.200	1 / 5.600	5 / 32.800	
SUPPORT-EQUIP	- / 1.600	- / 9.881	- / 3.900	- / 17.300	- / -	- / 17.300	- / 29.063	- / 29.812	- / -	- / -	- / -	- / 91.556	
OTHER GOVT	- / 8.506	- / 9.684	- / 21.749	- / 5.631	- / -	- / 5.631	- / 12.884	- / 3.800	- / 2.045	- / 11.325	- / -	- / 75.624	
GFP	- / 3.209	- / 2.872	- / 3.237	- / 2.900	- / -	- / 2.900	- / 2.400	- / 2.400	- / 1.200	- / -	- / -	- / 18.218	
PMA - Other Gov't Costs	- / 17.272	- / 6.992	- / 5.000	- / 5.100	- / -	- / 5.100	- / 5.200	- / 1.000	- / 1.000	- / 1.000	- / -	- / 32.564	
Subtotal: Support	- / 52.074	- / 31.431	- / 66.030	- / 51.131	- / -	- / 51.131	- / 67.347	1 / 61.512	2 / 12.893	1 / 21.525	1 / 5.600	5 / 369.543	
Installation													
Modification Item 1 of 1: CONECT Kit	1 / 4.750	2 / 2.560	9 / 12.510	16 / 20.640	- / -	16 / 20.640	17 / 22.440	16 / 21.760	8 / 9.800	5 / 6.112	- / -	74 / 100.572	
Subtotal: Installation	1 / 4.750	2 / 2.560	9 / 12.510	16 / 20.640	- / -	16 / 20.640	17 / 22.440	16 / 21.760	8 / 9.800	5 / 6.112	- / -	74 / 100.572	
Total													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 3310 / B-52 Combat Network Communications Technology

Models of Systems Affected: B-52H	Modification Type: Capability Improvement	Related RDT&E PEs: 0101113F
--	--	--

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Total Cost (Procurement + Support + Installation)	85.043	74.221	136.153	128.219	-	128.219	139.317	110.748	52.542	27.637	5.600	759.480

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 3310 / B-52 Combat Network Communications Technology

Modification Item 1 of 1: CONECT Kit

Manufacturer Information

Manufacturer Name: Boeing	Manufacturer Location: Oklahoma City, OK
Administrative Leadtime (in Months): 7	Production Leadtime (in Months): 9

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

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	1 / 4.750	2 / 2.560	6 / 8.340	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 15.650
FY 2014	- / -	- / -	3 / 4.170	7 / 9.030	- / -	7 / 9.030	- / -	- / -	- / -	- / -	- / -	10 / 13.200
FY 2015	- / -	- / -	- / -	9 / 11.610	- / -	9 / 11.610	8 / 10.560	- / -	- / -	- / -	- / -	17 / 22.170
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	9 / 11.880	7 / 9.520	- / -	- / -	- / -	16 / 21.400
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 9.520	6 / 8.400	- / -	- / -	13 / 17.920
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.720	1 / 1.400	- / -	- / -	3 / 4.120
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	5 / 6.112	- / -	6 / 6.112
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 4.750	2 / 2.560	9 / 12.510	16 / 20.640	- / -	16 / 20.640	17 / 22.440	16 / 21.760	8 / 9.800	5 / 6.112	- / -	74 / 100.572

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	-	2	2	2	2	3	3	4	4	5	4	4	4	5	3	4	4	5	3	3	1	2	3	1	1	-	-	75
Out	0	-	-	1	-	-	-	2	2	2	2	3	3	4	4	5	4	4	4	5	3	4	4	5	3	3	2	2	3	1	75

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: B05200 / B-52						Modification Number / Title: 6884 / B-52 Internal Weapons Bay Upgrade			

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.360	-	6.724	14.472	-	14.472	3.724	0.373	41.561	0.662	-	67.876
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.360	-	6.724	14.472	-	14.472	3.724	0.373	41.561	0.662	-	67.876
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.360	-	6.724	14.472	-	14.472	3.724	0.373	41.561	0.662	-	67.876
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	0.449	1.093	-	1.093	0.952	-	0.112	0.840	-	3.446
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification integrates MIL-STD-1760 into the Internal Weapons Bay on 78 B-52H aircraft, which includes two Ground Instructional Training Aircraft (GITA). This project utilizes 44 Common Strategic Rotary Launchers (CSRLs) converted into Conventional Rotary Launchers (CRLs), where three of the CRLs will be modified under Engineering, Manufacturing, and Development (EMD) for test purposes. This project includes associated changes to training and support equipment, alternate mission equipment (rotary launchers) technical data, and procurement of initial spares. An incremental acquisition strategy is being employed for this modification due to technical maturity. Increment 1.0 adds internal carriage for eight weapons and consists of two sub increments 1.1 and 1.2. This requirement was validated by the Air Force Requirements for Operational Capabilities Council (AFROCC), with a signed Capability Development Document (CDD) in June 2013. This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 0101113F.

Increment 1.1: Consists of internal carriage of eight Joint Direct Attack Munitions (JDAM) and variants, to include Laser JDAM (LJDAM), on a rotary launcher. Additionally, this increment develops the capability for external carriage for 16 LJDAM. The CRL Hardware modification consists of Group A (equipment racks and electrical wiring) and Group B (one Survivability/Vulnerability (SV) junction box and one Integrated Weapons Interface Unit (IWIU) per CRL). The IWIU Line Replaceable Unit (LRU) was previously developed under the Advanced Weapons Integration (AWI) project. Preliminary integration activities work was previously accomplished during a 2005 demonstration and developed using 2006 and 2007 Congressional Add funding. No CSRL replacements will be required as a result of this program.

Aircraft Hardware Modification: None

Software Modification: Consists of installation of aircraft Operational Flight Program (OFP) software, JDAM Stores Management Overlays (SMO) and ground based Joint Mission Planning System (JMPS).

CRL Hardware Modification: Consists of Group A (equipment racks and electrical wiring) and Group B (one SV junction box and one IWIU per CRL).

Support Equipment: Procurement of rotary launcher cable adapters sets for all 38 Multi-Use System Tester Armament Next Generation (MUSTANG) testers to interface with the CRL.

Increment 1.2: Increment 1.2 develops the capability for internal carriage of eight Joint Air-to-Surface Standoff Missiles (JASSM) and its variants, to include JASSM-Extended Range (JASSM-ER), and eight Miniature Air Launched Decoys (MALD) and its variants, to include MALD Jammer (MALD-J). This increment also develops the capability for external carriage for 12 JASSM-ER.

Aircraft Hardware Modification: Consists of installation of Group A wiring and circuit breakers to supply additional power to the CRL for all B-52H (78) aircraft.

Software Modification: Consists of installation of aircraft and weapon software updates to allow for internal and external carriage.

CRL Hardware Modification: Production of Group A associated interface hardware and two Group B LRUs (power supply and power distribution box).

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6884 / B-52 Internal Weapons Bay Upgrade

Support Equipment: Procurement of 12 Rotary Launcher Loading Adapters, 41 Rotary Launcher Maintenance Stands, 12 Transport Rotary Launcher Adapters and modification of all 38 MUSTANG testers.

Increment 1.1 Aircraft Breakdown Description: FY15 will modify six CSRLs to CRLs and install software into all 78 B-52H aircraft. FY16 will award CRL kit fabrication (35) contract for delivery and install in FY17.

Increment 1.2 Aircraft Breakdown Description: FY17 will provision technical data required for Interim JASSM/ER Capability. FY18 will procure and install 6 Group B CRL kits and procure and install 6 Group A B-52H aircraft kits. Software will be installed on the 6 modified aircraft. FY18 will also provision the RAA required subset of support equipment and spares. FY19 will procure and install 35 Group B CRL kits and procure and install 69 Group A B-52H aircraft kits. Software will be installed on the 69 modified aircraft. FY19 will also procure and/or modify required support equipment and provision initial spares.

For the overall program, Total Funded (119) includes the 41 modified CRLs (CRLs modified in both increments) and the 78 modified B-52H aircraft, which includes two GITA aircraft. The three CRLs funded during EMD (under both increments) are not included in this total.

Milestone/Development Status

Development began in FY11. For Increment 1.1, Preliminary Design Review (PDR) occurred in February 2013. The EMD contract was awarded in September 2013, which will produce three CRLs for test purposes. Critical Design Review (CDR) occurred in October 2013. LRIP lot 1, Long Lead Component Buy, was awarded in Aug 2014. Increment 1.1 developmental flight testing is scheduled for February 2015 to May 2015. For Increment 1.2, Acquisition Strategy Panel approval was granted in June 2014. TMRR contract award is anticipated in February 2015. Upon completion of the TMRR phase and Milestone B approval (anticipated Q2 FY16), the EMD option will be exercised and will run thru Q3 FY18. EMD will result in 3 prototype CRLs and 3 prototype aircraft.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	6.724	14.472	-	14.472	3.724	0.373	40.619	0.662
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	0.942	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	6.724	14.472	-	14.472	3.724	0.373	41.561	0.662

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1					P-1 Line Item Number / Title: B05200 / B-52					Modification Number / Title: 6884 / B-52 Internal Weapons Bay Upgrade			
Models of Systems Affected: B-52H				Modification Type: Capability Improvement				Related RDT&E PEs: 0101113F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0101113F	3 / 72.190	- / 17.373	- / 141.134	- / 60.265	- / -	- / 60.265	- / 26.070	- / 15.244	- / -	- / -	- / -	3 / 222.276	
Procurement													
Modification Item 1 of 1: 1760													
A Kits													
Recurring													
1760:INSTALL KITS Group A (Active)	- / 0.336	- / -	6 / 3.347	35 / 5.084	- / -	35 / 5.084	- / -	- / -	60 / 3.139	- / -	- / -	101 / 11.906	
1760:INSTALL KITS Group A (Reserve)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.942	- / -	- / -	18 / 0.942	
Subtotal: Recurring	- / 0.336	- / -	- / 3.347	- / 5.084	- / -	- / 5.084	- / -	- / -	- / 4.081	- / -	- / -	- / 12.848	
B Kits													
Recurring													
1760:EQUIPMENT Group B (Active)	- / -	- / -	6 / 0.386	35 / 1.826	- / -	35 / 1.826	- / -	- / -	44 / 23.160	- / -	- / -	85 / 25.372	
Subtotal: Recurring	- / -	- / -	- / 0.386	- / 1.826	- / -	- / 1.826	- / -	- / -	- / 23.160	- / -	- / -	- / 25.372	
Subtotal: 1760	- / 0.336	- / -	- / 3.733	- / 6.910	- / -	- / 6.910	- / -	- / -	- / 27.241	- / -	- / -	- / 38.220	
Subtotal: Procurement, All Modification Items	- / 0.336	- / -	- / 3.733	- / 6.910	- / -	- / 6.910	- / -	- / -	- / 27.241	- / -	- / -	- / 38.220	
Support (All Modification Items)													
Change Orders	- / -	- / -	- / 0.184	- / 0.981	- / -	- / 0.981	- / -	- / -	- / 1.892	- / -	- / -	- / 3.057	
Data	- / -	- / -	- / 0.231	- / 0.618	- / -	- / 0.618	- / -	- / -	- / 1.273	- / -	- / -	- / 2.122	
SUPPORT-EQUIP	- / -	- / -	- / 0.101	- / 0.458	- / -	- / 0.458	- / -	- / -	- / 10.309	- / -	- / -	- / 10.868	
PMA - Other Gov't Costs	- / 0.024	- / -	- / 0.514	- / 1.028	- / -	- / 1.028	- / -	- / 0.373	- / 0.820	- / -	- / -	- / 2.759	
Subtotal: Support	- / 0.024	- / -	- / 1.030	- / 3.085	- / -	- / 3.085	- / -	- / 0.373	- / 14.294	- / -	- / -	- / 18.806	
Installation													
Modification Item 1 of 1: 1760	- / -	- / -	6 / 1.961	18 / 4.477	- / -	18 / 4.477	17 / 3.724	- / -	3 / 0.026	75 / 0.662	- / -	119 / 10.850	
Subtotal: Installation	- / -	- / -	6 / 1.961	18 / 4.477	- / -	18 / 4.477	17 / 3.724	- / -	3 / 0.026	75 / 0.662	- / -	119 / 10.850	
Total													
Total Cost (Procurement + Support + Installation)	0.360	-	6.724	14.472	-	14.472	3.724	0.373	41.561	0.662	-	67.876	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6884 / B-52 Internal Weapons Bay Upgrade

Modification Item 1 of 1: 1760

Manufacturer Information

Manufacturer Name: Boeing	Manufacturer Location: Oklahoma City, OK
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 6

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	6 / 1.961	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.961
FY 2016	- / -	- / -	- / -	18 / 4.477	- / -	18 / 4.477	17 / 3.724	- / -	- / -	- / -	- / -	35 / 8.201
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.026	75 / 0.662	- / -	78 / 0.688
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	6 / 1.961	18 / 4.477	- / -	18 / 4.477	17 / 3.724	- / -	3 / 0.026	75 / 0.662	- / -	119 / 10.850

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	1	5	4	5	4	5	4	5	4	4	-	-	-	-	-	-	-	3	21	21	21	12	-	119
Out	0	-	-	-	-	-	-	1	5	4	5	4	5	4	5	4	4	-	-	-	-	-	-	-	-	13	24	24	17	-	119

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401134F	Other Related Program Elements: 0401134F
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	126.945	160.247	13.159	84.335	-	84.335	-	-	-	-	-	384.686
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	126.945	160.247	13.159	84.335	-	84.335	-	-	-	-	-	384.686
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	126.945	160.247	13.159	84.335	-	84.335	-	-	-	-	-	384.686

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

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

Description:

The Large Aircraft Infrared Countermeasures (LAIRCM) system provides a significantly improved defensive capability for the Department of Defense to counter the proliferating infrared (IR) man-portable air defense systems (MANPADS) missile threats by detecting, tracking, and countering incoming IR missiles. This system is fully autonomous following power-up and consists of Group A aircraft modification kits and Group B hardware. Group B hardware for the LAIRCM system [AN/AQQ-24(V)] consists of Missile Warning Sensors (MWS) either ultraviolet (UV) or the more capable infrared (IR); Guardian Laser Transmitter Assemblies (GLTA)/Small Laser Transmitter Assemblies (SLTA); a control indicator unit (CIU); a system processor (LSP); and repeaters, as needed by the platform.

Like all programs, LAIRCM faces the challenges associated with resolving Diminishing Manufacturing Sources (DMS) issues. DMS initiatives have resulted in replacement units for the CIU and the LSP. The control indicator unit replacement (CIUR) replaces the CIU, and the LAIRCM system processor replacement (LSPR) replaces the LSP. The CIUR will become the preferred component in FY15, and the LSPR in FY16. The production program maintains a robust reliability program which results in the incorporation of reliability enhancements improving overall producibility, while gaining the inherent benefit of improved long-term sustainment. There are numerous LAIRCM configurations installed on a variety of aircraft. All configurations include a processor and a control indicator unit; however, configurations can be differentiated by the type of missile warning sensors and laser transmitter assemblies. Configurations include SLTAs and UV sensors, GLTAs and UV sensors, and GLTAs and IR sensors.

This program includes all efforts needed to procure, field, and support LAIRCM. These efforts include, but are not limited to, Hardware Procurement (Group A and Group B), Installation, Installation Support, Initial Spares, Support Equipment, Government Furnished Equipment (GFE) and GFE Repairs, Line Replaceable Unit (LRU) Repairs, Interim Contractor Support (ICS), Depot Standup, Systems Engineering and Program Management (SEPM), Failure Reporting and Corrective Analysis Support (FRACAS), Other Government Costs (OGCs), Pre-Planned Product Improvements, Program Management and Administration (PMA) costs, simulators, data, and a DMS program to ensure continued production of all variants of LAIRCM components and for all LAIRCM customers. The LAIRCM DMS program includes all activities associated with monitoring and identifying DMS issues. It also includes all activities required to resolve DMS issues: 1) the use of existing material solutions which involves actions to secure availability of existing supply (i.e., life of need buy and extension of production or support); 2) implementing substitutes which includes engineering activities to qualify and implement the identified substitute (i.e., approved part; repair, refurbishment, or reclamation; simple substitute; and complex substitute); and 3) redesign which includes all aspects of engineering and qualification to implement new or highly modified equipment (i.e., development of a new item or source; redesign of a next higher assembly; and redesign of a complex/system replacement).*

*Reference SD-22 Manual Dated August 2012

LAIRCM kit quantities purchased are dependent on the unit cost and/or the installation cost of the kits.

Funding for this exhibit in PE 0401134F

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft		P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401134F	Other Related Program Elements: 0401134F

FY 14 funding is comprised of \$133.1M OCO and \$27.2M in baseline. Total \$160.3.

FY 15 funding is comprised of \$0 OCO and \$13.2M in baseline. Total \$13.2M.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	159.334	13.159	84.335	-	84.335	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.913	-	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	160.247	13.159	84.335	-	84.335	-	-	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures
--	--

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401134F **Other Related Program Elements:** 0401134F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130 (Capability Improvement)	P-40a***		- / 1.200	- / -	- / -	- / -	- / -	- / -
2 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J (Capability Improvement)	P-40a***		- / 0.000	- / 71.497	- / 4.535	- / -	- / -	- / -
3 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5 (Capability Improvement)	P-40a***		- / 7.646	- / 3.039	- / 0.099	- / -	- / -	- / -
4 / LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/MC-130 Recap (Capability Improvement)	P-40a***		- / 46.100	- / 70.000	- / -	- / -	- / -	- / -
1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 (Capability Improvement)	P-3a		- / 71.999	- / 15.711	- / 8.525	- / 84.335	- / -	- / 84.335
Total Gross/Weapon System Cost			- / 126.945	- / 160.247	- / 13.159	- / 84.335	- / -	- / 84.335

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130 (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.200
2 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 76.032
3 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5 (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 10.784
4 / LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/MC-130 Recap (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 116.100
1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 (Capability Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 180.570
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / -	- / -	- / 384.686

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures				Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	71.999	15.711	8.525	84.335	-	84.335	-	-	-	-	-	180.570
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	71.999	15.711	8.525	84.335	-	84.335	-	-	-	-	-	180.570
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	71.999	15.711	8.525	84.335	-	84.335	-	-	-	-	-	180.570

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

NEXGEN NEW INSTALLS The Large Aircraft Infrared Countermeasures (LAIRCM) system provides a significantly improved defensive capability for the C-17 to counter the proliferating infrared (IR) man-portable air defense systems (MANPADS) missile threats. This system is fully automatic following power-up and consists of Group A aircraft modification kits and Group B equipment. The LAIRCM system [AN/AQQ-24(V)] consists of 6 missile warning sensors (MWS), 1 (lite configuration) or 3 (full configuration) Guardian Laser Transmitter Assemblies (GLTA)/Small Laser Transmitter Assemblies (SLTA), a colorless eye-safe multiband laser, control indicator unit (CIU), 2 repeaters and a system processor to detect, track and counter incoming IR missiles.

Enhancements and retrofits to the current configuration are planned for purchase and installation in FY08 and beyond. These enhancements include retrofits of the SLTA to a smaller, lighter GLTA. In addition, the current AAR-54 sensor will be replaced by a more effective infrared (IR) Next Generation Missile Warning Sensor (NexGen MWS). The processor and CIU are also slated to be replaced with updated versions that address diminishing manufacturing sources (DMS) and reliability efforts.

The C-17 LAIRCM modification is appropriated through FY12 in the C-17 P-1 line item. C-17 LAIRCM modification funding continues in FY13 until completion in the LAIRCM P-1 line item. This change consolidates all Air Force LAIRCM funding under a single P-1 line item and facilitates improved financial reporting and flexibility in meeting warfighter requirements. The LAIRCM modification number through FY12 is 8629. Starting in FY13 the C-17 LAIRCM modification number is #8629C17 which includes new NEXGEN installs and the completion of SLTA to GLTA conversion. NexGen MWS retrofit funding is documented for FY12 and prior in P3A #8629.

The "Change Orders" line in the funding table include DMS costs for the identification, review, and monitoring of items with high DMS risk potential, classification of identified items according to criticality, identification of alternatives for items having high DMS risks, and non-recurring engineering (NRE)/replacement cost for DMS components. Additionally, "change orders" include NRE/replacement costs for equipment updates to increase reliability, availability, and maintainability of LAIRCM group B components as identified during the fiscal year.

This program includes all efforts needed to procure, field and support LAIRCM. These efforts include, but are not limited to, Hardware procurement, installation, installation support, initial and readiness spares, support equipment, government furnished equipment (GFE) and GFE repairs, Interim Contractor Support (ICS), depot standup, Systems Engineering and Program Management (SEPM), Failure Reporting and Corrective Analysis Support (FRACAS), Other Government Costs (OGCs), Pre-planned Product Improvements (P3I), program management and administration (PMA) costs, simulators and data.

In FY 2013, four aircraft were reassigned from the US Air Force to the Air National Guard at Memphis National Guard Base TN; two of the four had previously been modified with LAIRCM. In FY 2014, four additional aircraft were reassigned from the US Air Force to the Air National Guard at Memphis National Guard Base TN; one of the four had previously been modified with LAIRCM. Therefore, prior year kit buys and installs costs for Active, Guard and Reserve were adjusted accordingly.

Adjusted installation schedule is a result of the C-17 program office standing up a fourth modification line and moving SLTA to GLTA upgrades from the main operating bases to the modification lines at the depot.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures	Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17

NOTES:

LAIRCM P-1 Line: (Mod 8629C17)

FY13 procures 1 NexGen Grp A & Grp B kits, and initial spares, mod line and support activities.

FY13 OCO procures 9 initial NexGen Grp A and Grp B kits and installs, 5 SLTA to GLTA retrofit kits and installs; initial spares and support activities.

FY14 procures 1 NexGen Grp A & Grp B kit; 1 NexGen install; 3 NexGen retrofit installs, and support activities.

FY15 procures 1 NexGen install

Total C-17 LAIRCM Funding

RDT&E funding: 2 Grp A, 2 Grp B

Aircraft Procurement funding: 44 Grp A, 29 Grp B (Aircraft Production procurement funding not documented on 8629 or 8629C17 P3A)

Modification funding: 177 Grp A, 184 Grp B TOTAL: 222 Grp A, 214 Grp B (NOTE: 8 aircraft are not getting group B)

This program has associated Research, Development, Test & Evaluation (RDT&E) funding in PE 0401134F

Aircraft Grp A Breakdown: 138 Active (includes 1 RDT&E C-17), 18 Reserve, and 21 ANG

FY 2013 funding totals include \$63.3M for Overseas Contingency Operations

Projected Financial Plan Categories: GFE - Previously identified as retrofit kits - this effort provides the kits needed to support LAIRCM configurations Tooling - Previously identified as retrofit installs - this effort installs the retrofit kits needed to support the LAIRCM configurations.

Milestone/Development Status

Development is complete.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	14.798	8.525	84.335	-	84.335	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1			P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures				Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17			

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AFR	Total Obligation Authority	-	-	-	-	-	-	-	-	-
	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.913	-	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	15.711	8.525	84.335	-	84.335	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1					P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures					Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17			
Models of Systems Affected: C-17				Modification Type: Capability Improvement				Related RDT&E PEs: 0401134F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 3: AAR-54 to NexGen Sensor													
A Kits													
Recurring													
AAR-54 to NexGen Sensor:INSTALL KITS Group A (Active)	3 / 0.000	- / -	- / -	- / 15.010	- / -	- / 15.010	43 / -	- / -	- / -	- / -	- / -	46 / 5.010	
AAR-54 to NexGen Sensor:INSTALL KITS Group A (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
AAR-54 to NexGen Sensor:INSTALL KITS Group A (Reserve)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 15.010	- / -	- / 15.010	- / -	- / -	- / -	- / -	- / -	- / 5.010	
B Kits													
Recurring													
AAR-54 to NexGen Sensor:EQUIPMENT Group B (Active)	- / -	- / -	- / -	43 / 62.090	- / -	43 / 62.090	- / -	- / -	- / -	- / -	- / -	43 / 62.090	
Subtotal: Recurring	- / -	- / -	- / -	- / 62.090	- / -	- / 62.090	- / -	- / -	- / -	- / -	- / -	- / 62.090	
Subtotal: AAR-54 to NexGen Sensor	- / 0.000	- / -	- / -	- / 67.100	- / -	- / 67.100	- / -	- / -	- / -	- / -	- / -	- / 67.100	
Modification Item 2 of 3: Initial; None to Full GLTA													
A Kits													
Recurring													
Initial; None to Full GLTA:INSTALL KITS Group A (Active)	7 / 5.730	1 / 0.819	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 6.549	
Initial; None to Full GLTA:INSTALL KITS Group A (Guard)	2 / 1.637	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.637	
Initial; None to Full GLTA:INSTALL KITS Group A (Reserve)	1 / 0.818	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.818	
Subtotal: Recurring	- / 8.185	- / 0.819	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.004	
B Kits													
Recurring													
Initial; None to Full GLTA:EQUIPMENT Group B (Active)	7 / 17.084	1 / 3.411	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 20.495	
Initial; None to Full GLTA:EQUIPMENT Group B (Guard)	2 / 4.881	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.881	
Initial; None to Full GLTA:EQUIPMENT Group B (Reserve)	1 / 3.406	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.406	
Subtotal: Recurring	- / 25.371	- / 3.411	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 28.782	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1					P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures					Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17			
Models of Systems Affected: C-17				Modification Type: Capability Improvement				Related RDT&E PEs: 0401134F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
<i>Subtotal: Initial; None to Full GLTA</i>	- / 33.556	- / 4.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.786	
Modification Item 3 of 3: SLTA to GLTA Retrofit													
A Kits													
Recurring													
SLTA to GLTA Retrofit:INSTALL KITS Group A (Active)	5 / 4.093	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 4.093	
<i>Subtotal: Recurring</i>	- / 4.093	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.093	
B Kits													
Recurring													
SLTA to GLTA Retrofit:EQUIPMENT Group B (Active)	5 / 12.203	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 12.203	
<i>Subtotal: Recurring</i>	- / 12.203	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.203	
<i>Subtotal: SLTA to GLTA Retrofit</i>	- / 16.296	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.296	
<i>Subtotal: Procurement, All Modification Items</i>	- / 49.852	- / 4.230	- / -	- / 67.100	- / -	- / 67.100	- / -	- / -	- / -	- / -	- / -	- / 121.182	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
GROUP B: TOTAL NONRECURRING	- / -	- / 0.620	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.620	
Change Orders	- / -	- / 1.894	- / -	- / 16.905	- / -	- / 16.905	- / -	- / -	- / -	- / -	- / -	- / 18.799	
Data	- / -	- / -	- / -	- / 10.390	- / -	- / 10.390	- / -	- / -	- / -	- / -	- / -	- / 10.390	
SUPPORT-EQUIP	- / 1.800	- / -	- / -	- / 10.100	- / -	- / 10.100	- / -	- / -	- / -	- / -	- / -	- / 11.900	
Mod of Spares	- / 8.784	- / -	- / -	- / 16.210	- / -	- / 16.210	- / -	- / -	- / -	- / -	- / -	- / 14.994	
ICS-Labor	- / 12.179	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.179	
PMA - Contractor Services	- / 10.310	- / 0.713	- / 10.767	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.790	
OTHER GOV'T	- / 12.437	- / 17.007	- / 16.845	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.289	
<i>Subtotal: Support</i>	- / 15.510	- / 10.234	- / 7.612	- / 13.605	- / -	- / 13.605	- / -	- / -	- / -	- / -	- / -	- / 46.961	
Installation													
<i>Modification Item 1 of 3: AAR-54 to NexGen Sensor</i>	- / -	3 / 0.334	- / -	- / 3.630	- / -	- / 3.630	- / -	43 / -	- / -	- / -	- / -	46 / 3.964	
<i>Modification Item 2 of 3: Initial; None to Full GLTA</i>	0 / 6.637	- / 0.913	- / 0.913	11 / -	- / -	11 / -	- / -	- / -	- / -	- / -	- / -	11 / 8.463	
<i>Modification Item 3 of 3: SLTA to GLTA Retrofit</i>	- / -	- / -	- / -	5 / -	- / -	5 / -	- / -	- / -	- / -	- / -	- / -	5 / -	
<i>Subtotal: Installation</i>	- / 6.637	3 / 1.247	- / 0.913	16 / 3.630	- / -	16 / 3.630	- / -	43 / -	- / -	- / -	- / -	62 / 12.427	
Total													
Total Cost (Procurement + Support + Installation)	71.999	15.711	8.525	84.335	-	84.335	-	-	-	-	-	180.570	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures	Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17

Modification Item 1 of 3: AAR-54 to NexGen Sensor

Manufacturer Information

Manufacturer Name: Boeing Aerospace				Manufacturer Location: Long Beach, Ca			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 14			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Apr 2014			Jun 2017			
Delivery Dates	Jun 2015			Aug 2018			

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.334	- / -	- / 3.630	- / -	- / 3.630	- / -	- / -	- / -	- / -	- / -	3 / 3.964
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / -	- / -	- / -	- / -	43 / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	3 / 0.334	- / -	- / 3.630	- / -	- / 3.630	- / -	43 / -	- / -	- / -	- / -	46 / 3.964

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	11	11	11	10	-	-	-	-	-	-	-	-	-	-	-	-	46
Out	0	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	46

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures	Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17

Modification Item 2 of 3: Initial; None to Full GLTA

Manufacturer Information							
Manufacturer Name: Boeing Aerospace				Manufacturer Location: Long Beach, Ca			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 14			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Apr 2014			Apr 2017			
Delivery Dates	Jun 2015			Jun 2018			

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 6.637	- / 0.913	- / -	10 / 0.000	- / -	10 / 0.000	- / -	- / -	- / -	- / -	- / -	10 / 7.550
FY 2014	- / -	- / -	- / 0.913	1 / -	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	1 / 0.913
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 6.637	- / 0.913	- / 0.913	11 / -	- / -	11 / -	- / -	- / -	- / -	- / -	- / -	11 / 8.463

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	3	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Out	0	-	-	-	-	-	-	-	-	3	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures	Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17

Modification Item 3 of 3: SLTA to GLTA Retrofit

Manufacturer Information

Manufacturer Name: Unknown				Manufacturer Location: Unknown			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 14			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Oct 2017			Apr 2017			
Delivery Dates							

Installation Information

Method of Implementation: Contractor Facility

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

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	0	-	-	-	-	-	-	-	-	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: A01000 / A-10
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207131F	Other Related Program Elements: 0207131F
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	1,440.819	2.298	-	-	-	-	-	-	-	-	-	1,443.117
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	1,440.819	2.298	-	-	-	-	-	-	-	-	-	1,443.117
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	1,440.819	2.298	-	-	-	-	-	-	-	-	-	1,443.117

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

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

Description:

This line item funds modifications to the A-10 aircraft. The A-10 is a twin engine, single seat, close air support aircraft capable of delivering a full range of air-to-ground munitions as well as self-defense air-to-air missiles.

Funding for this exhibit contained in PE 0207131F

No FY15 or FY16 funding requested.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.298	-	-	-	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.298	-	-	-	-	-	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
A01000 / A-10

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207131F **Other Related Program Elements:** 0207131F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / DIGITAL DATA LINK (Capability Improvement)	P-40a***		- / 55.136	- / -	- / -	- / -	- / -	- / -
2 / TEMS/ADR (Reliability & Maintainability)	P-40a***		- / 9.815	- / -	- / -	- / -	- / -	- / -
3 / MODE S/5 (Capability Improvement)	P-40a***		- / 5.711	- / -	- / -	- / -	- / -	- / -
4 / ONBOARD OXYGEN GENERATING SYSTEM (OBOGS) (Reliability & Maintainability)	P-40a***		- / 8.662	- / -	- / -	- / -	- / -	- / -
5 / Extended Duration Covert Infrared Countermeasures System (Capability Improvement)	P-40a***		- / 63.724	- / -	- / -	- / -	- / -	- / -
6 / A-10 Secure Line of Sight/Beyond Line of Sight (Capability Improvement)	P-40a***		- / 76.795	- / -	- / -	- / -	- / -	- / -
7 / A-10 Wing Replacement Program (Reliability & Maintainability)	P-40a***		- / 809.957	- / 2.298	- / -	- / -	- / -	- / -
8 / PRECISION ENGAGEMENT (Capability Improvement)	P-40a***		- / 375.387	- / -	- / -	- / -	- / -	- / -
9 / A-10 Helmet Mounted Cuing System (Capability Improvement)	P-40a***		- / 33.325	- / -	- / -	- / -	- / -	- / -
10 / LOW COST SAFETY MODIFICATIONS (Safety)	P-40a***		- / 0.308	- / -	- / -	- / -	- / -	- / -
11 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 1.999	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 1,440.819	- / 2.298	- / -	- / -	- / -	- / -

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / DIGITAL DATA LINK (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 55.136
2 / TEMS/ADR (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 9.815
3 / MODE S/5 (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 5.711
4 / ONBOARD OXYGEN GENERATING SYSTEM (OBOGS) (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 8.662
5 / Extended Duration Covert Infrared Countermeasures System (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 63.724
6 / A-10 Secure Line of Sight/Beyond Line of Sight (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 76.795
7 / A-10 Wing Replacement Program (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 812.255
8 / PRECISION ENGAGEMENT (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 375.387
9 / A-10 Helmet Mounted Cuing System (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 33.325
10 / LOW COST SAFETY MODIFICATIONS (Safety)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.308
11 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.999
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / -	- / -	- / 1,443.117

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft		P-1 Line Item Number / Title: A01000 / A-10
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207131F	Other Related Program Elements: 0207131F
Where applicable, justification for individual modifications is provided in the P-3A exhibits.		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: F01500 / F-15
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207130F, 0207134F, 0207171F	Other Related Program Elements: 0207130F, 0207134F
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,420.200	344.224	498.314	464.367	-	464.367	400.722	522.288	602.421	704.265	4,411.329	9,368.130
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,420.200	344.224	498.314	464.367	-	464.367	400.722	522.288	602.421	704.265	4,411.329	9,368.130
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,420.200	344.224	498.314	464.367	-	464.367	400.722	522.288	602.421	704.265	4,411.329	9,368.130
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds modifications to the F-15 aircraft. The F-15C/D is a twin engine (F-15 C single seat; F-15 D dual seat) supersonic, all-weather, day/night, air-superiority fighter. The F-15E is a twin engine, two seat, supersonic dual-role, day/night, all-weather, deep interdiction fighter with multi-role air-to-air capabilities. The overall goals of the budgeted modifications are to improve operational capability, reliability and maintainability, and flight safety. The specific modifications budgeted and programmed are below.

F-15C MIDS JTRS is a new start for FY16.
F-15E MIDS JTRS is a new start for FY16.

Funding for this exhibit contained PEs 0207130F and 0207134F.

The FY2016 funding request was reduced by \$64.768 million to account for the availability of prior execution balances.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	306.666	264.511	302.588	-	302.588	375.494	482.708	526.036
AFNG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	37.558	233.803	161.779	-	161.779	25.228	39.580	76.385
AFR	Quantity	-	-	-	-	-	-	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: F01500 / F-15
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207130F, 0207134F, 0207171F	Other Related Program Elements: 0207130F, 0207134F
---	--	---

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
	Total Obligation Authority	-	-	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	344.224	498.314	464.367	-	464.367	400.722	522.288	602.421	704.265

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F01500 / F-15

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207130F, 0207134F, 0207171F **Other Related Program Elements:** 0207130F, 0207134F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / F-15C Avionics Replacement (Capability Improvement)	P-40a***		- / 31.333	- / -	- / -	- / -	- / -	- / -
2 / SECONDARY POWER UPGRADE A-D (No text provided.)	P-40a***		- / 0.297	- / -	- / -	- / -	- / -	- / -
3 / C/D Secondary Power System (Reliability & Maintainability)	P-40a***		- / 3.383	- / 2.857	- / -	- / -	- / -	- / -
4 / E Secondary Power System (Reliability & Maintainability)	P-40a***		- / 7.357	- / -	- / -	- / -	- / -	- / -
5 / C/D Flight Data Recorder (FDR) (Capability Improvement)	P-40a***		- / 23.845	- / 0.114	- / -	- / -	- / -	- / -
6 / F-15E Flight Data Recorder (FDR) (Capability Improvement)	P-40a***		- / 22.936	- / 1.694	- / -	- / -	- / -	- / -
7 / APG-63V(1) RADAR UPGRADE (No text provided.)	P-40a***		- / 20.265	- / -	- / -	- / -	- / -	- / -
8 / PROGRAMMABLE ARMAMENT CONTROL SET (Service Life Extension)	P-40a***		- / 6.768	- / -	- / -	- / -	- / -	- / -
9 / F-15E JOINT HELMET-MOUNTED CUEING SYSTEM (Reliability & Maintainability)	P-40a***		- / 69.783	- / 21.170	- / 11.771	- / -	- / -	- / -
10 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Service Life Extension)	P-40a***		- / 4.332	- / 0.377	- / 1.071	- / 1.088	- / -	- / 1.088
11 / F-15 A/D DIGITAL VIDEO RECORDER (Service Life Extension)	P-40a***		- / 21.037	- / -	- / -	- / -	- / -	- / -
12 / F-15E DIGITAL VIDEO RECORDER (Service Life Extension)	P-40a***		- / 18.023	- / -	- / -	- / -	- / -	- / -
13 / TEWS INTERMEDIATE SUPPORT SYSTEM (TISS) A-E (Service Life Extension)	P-40a***		- / 31.644	- / -	- / -	- / -	- / -	- / -
14 / E IFF MODE 5 (Reliability & Maintainability)	P-40a***		- / 40.938	- / -	- / -	- / -	- / -	- / -
15 / Link 16 Cryptographic Modernization (CMI) (Capability Improvement)	P-40a***		- / -	- / -	- / 0.002	- / 2.837	- / -	- / 2.837
16 / F-15E BLOS/SLOS (Capability Improvement)	P-40a***		- / 59.593	- / -	- / -	- / -	- / -	- / -
17 / F-15C/D Beyond Line Of Sight Communications (Capability Improvement)	P-40a***		- / 33.067	- / 12.226	- / 9.059	- / -	- / -	- / -
18 / EPAWSS-E (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
19 / EPAWSS-C/D (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
20 / F-15C Passive Attack Sensor System (Capability Improvement)	P-40a***		- / 18.465	- / 5.500	- / 3.004	- / 0.504	- / -	- / 0.504
21 / 5th to 4th Gen Gateway (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
22 / MISC ENGINE UPDATE MODS (Service Life Extension)	P-40a***		- / 1.520	- / -	- / -	- / -	- / -	- / -
23 / LOW COST RETROFIT MODS (Service Life Extension)	P-40a***		- / 5.763	- / -	- / -	- / -	- / -	- / -
24 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 5.759	- / -	- / -	- / -	- / -	- / -
1202 / F-15E Radar Modernization Program APG-82(V)1 (Reliability & Maintainability)	P-3a		- / 269.238	- / 189.995	- / 240.947	- / 255.042	- / -	- / 255.042
1 / Advanced Display Core Processor, ADCP II-E (Reliability & Maintainability)	P-3a		- / -	- / -	- / -	- / 4.000	- / -	- / 4.000
1205 / Advanced Display Core Processor, ADCP II-C (Reliability & Maintainability)	P-3a		- / -	- / -	- / -	- / 6.000	- / -	- / 6.000
6158 / F-15C/D APG-63(V)3 radar upgrade (Capability Improvement)	P-3a		- / 724.854	- / 110.291	- / 232.460	- / 182.100	- / -	- / 182.100
8799 / F-15C MIDS JTRS (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 6.387	- / -	- / 6.387
8800 / F-15E MIDS JTRS (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 6.409	- / -	- / 6.409
Total Gross/Weapon System Cost			- / 1,420.200	- / 344.224	- / 498.314	- / 464.367	- / -	- / 464.367

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F01500 / F-15

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207130F, 0207134F, 0207171F **Other Related Program Elements:** 0207130F, 0207134F

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / F-15C Avionics Replacement (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 31.333
2 / SECONDARY POWER UPGRADE A-D (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / 0.297	
3 / C/D Secondary Power System (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / 6.240	
4 / E Secondary Power System (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / 7.357	
5 / C/D Flight Data Recorder (FDR) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 23.959	
6 / F-15E Flight Data Recorder (FDR) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 24.630	
7 / APG-63V(1) RADAR UPGRADE (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / 20.265	
8 / PROGRAMMABLE ARMAMENT CONTROL SET (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / 6.768	
9 / F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / 102.724	
10 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Service Life Extension)	P-40a***		- / 1.104	- / 1.126	- / 1.146	- / 1.165	- / 11.409	
11 / F-15 A/D DIGITAL VIDEO RECORDER (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / 21.037	
12 / F-15E DIGITAL VIDEO RECORDER (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / 18.023	
13 / TEWS INTERMEDIATE SUPPORT SYSTEM (TISS) A-E (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / 31.644	
14 / E IFF MODE 5 (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / 27.480	- / 68.418	
15 / Link 16 Cryptographic Modernization (CMI) (Capability Improvement)	P-40a***		- / 4.831	- / 4.459	- / 5.073	- / 6.668	- / 18.095	
16 / F-15E BLOS/SLOS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 59.593	
17 / F-15C/D Beyond Line Of Sight Communications (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 54.352	
18 / EPAWSS-E (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 2,257.900	
19 / EPAWSS-C/D (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 1,914.592	
20 / F-15C Passive Attack Sensor System (Capability Improvement)	P-40a***		- / 0.704	- / -	- / -	- / -	- / 28.177	
21 / 5th to 4th Gen Gateway (Capability Improvement)	P-40a***		- / 37.863	- / 38.568	- / 52.210	- / 39.950	- / 168.660	
22 / MISC ENGINE UPDATE MODS (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / 1.520	
23 / LOW COST RETROFIT MODS (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / 5.763	
24 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 5.759	
1202 / F-15E Radar Modernization Program APG-82(V)1 (Reliability & Maintainability)	P-3a		- / 152.137	- / 181.742	- / 226.577	- / 329.318	- / 146.600	
1 / Advanced Display Core Processor, ADCP II-E (Reliability & Maintainability)	P-3a		- / 55.223	- / 47.633	- / 47.070	- / 56.855	- / 9.436	
1205 / Advanced Display Core Processor, ADCP II-C (Reliability & Maintainability)	P-3a		- / 37.109	- / 65.779	- / 90.602	- / 130.330	- / 37.157	
6158 / F-15C/D APG-63(V)3 radar upgrade (Capability Improvement)	P-3a		- / 87.615	- / 86.881	- / 83.935	- / 41.971	- / 1,550.107	
8799 / F-15C MIDS JTRS (Capability Improvement)	P-3a		- / 12.226	- / 48.600	- / 48.600	- / 49.600	- / 165.413	
8800 / F-15E MIDS JTRS (Capability Improvement)	P-3a		- / 11.910	- / 47.500	- / 47.208	- / 48.408	- / 161.435	
Total Gross/Weapon System Cost			- / 400.722	- / 522.288	- / 602.421	- / 704.265	- / 4,411.329	- / 9,368.130

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft		P-1 Line Item Number / Title: F01500 / F-15
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207130F, 0207134F, 0207171F	Other Related Program Elements: 0207130F, 0207134F
*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.		
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.		
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.		

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01500 / F-15				Modification Number / Title: 1202 / F-15E Radar Modernization Program APG-82(V)1				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	269.238	189.995	240.947	255.042	-	255.042	152.137	181.742	226.577	329.318	146.600	1,991.596
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	269.238	189.995	240.947	255.042	-	255.042	152.137	181.742	226.577	329.318	146.600	1,991.596
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	269.238	189.995	240.947	255.042	-	255.042	152.137	181.742	226.577	329.318	146.600	1,991.596
<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>)	32.281	12.373	10.674	11.086	-	11.086	19.778	19.325	19.950	19.249	-	144.716
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

F-15E Radar Modernization Program (RMP), designated the APG-82(V)1, replaces the legacy radar using existing technology from other DOD platforms. It solves parts obsolescence problems and provides improved reliability and performance (increased synthetic aperture radar (SAR) range and resolution), including air-to-air and air-to-ground modes. Also provides for future growth. Total aircraft requirement: 217. This program funded Research Development Test and Evaluation (RDT&E) in PE 0207134F. Requirements document: F-15E Radar Modernization Program CDD dated 21 March 2005. Modification funding will be used for DMS and material shortages. DMS and material shortage activities can include, but not limited to, life of type buy or minor redesign. SE/PM costs are include in the Group B Recurring line, and Depot Costs are included in the SE line.

Milestone/Development Status

Milestone C completed 4Q FY11. System Verification Review #2 (SVR 2) and Integrated Operational Test and Evaluation (IOT&E) completed 4Q FY13. Full Rate Production Decision (FRPD) planned for 3Q FY14.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	189.995	240.947	255.042	-	255.042	152.137	181.742	226.577	329.318
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	189.995	240.947	255.042	-	255.042	152.137	181.742	226.577	329.318

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 1202 / F-15E Radar Modernization Program APG-82(V)1			
Models of Systems Affected: F-15E				Modification Type: Reliability & Maintainability				Related RDT&E PEs: 0207134F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207134F	- / 380.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 380.013	
Procurement													
Modification Item 1 of 1: APG-82(v)1													
A Kits													
Recurring													
APG-82(v)1:INSTALL KITS Group A (Active)	30 / 39.658	18 / 45.536	33 / 41.880	35 / 51.770	- / -	35 / 51.770	15 / 23.270	18 / 29.330	23 / 38.140	38 / 63.860	7 / 12.950	217 / 346.394	
Subtotal: Recurring	- / 39.658	- / 45.536	- / 41.880	- / 51.770	- / -	- / 51.770	- / 23.270	- / 29.330	- / 38.140	- / 63.860	- / 12.950	- / 346.394	
B Kits													
Recurring													
APG-82(v)1:EQUIPMENT Group B (Active)	30 / 141.817	18 / 122.609	33 / 108.257	35 / 169.910	- / -	35 / 169.910	15 / 82.060	18 / 103.340	23 / 129.880	38 / 210.020	7 / 52.660	217 / 1,120.553	
Subtotal: Recurring	- / 141.817	- / 122.609	- / 108.257	- / 169.910	- / -	- / 169.910	- / 82.060	- / 103.340	- / 129.880	- / 210.020	- / 52.660	- / 1,120.553	
Subtotal: APG-82(v)1	- / 181.475	- / 168.145	- / 150.137	- / 221.680	- / -	- / 221.680	- / 105.330	- / 132.670	- / 168.020	- / 273.880	- / 65.610	- / 1,466.947	
Subtotal: Procurement, All Modification Items	- / 181.475	- / 168.145	- / 150.137	- / 221.680	- / -	- / 221.680	- / 105.330	- / 132.670	- / 168.020	- / 273.880	- / 65.610	- / 1,466.947	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 73.724	- / -	- / 42.000	- / 15.310	- / -	- / 15.310	- / 3.390	- / 3.490	- / 3.590	- / 3.700	- / -	- / 135.204	
Change Orders	- / 14.043	- / 18.161	- / 11.001	- / 16.952	- / -	- / 16.952	- / 18.907	- / 17.312	- / 17.357	- / 20.428	- / 16.050	- / 80.211	
Data	- / -	- / -	- / 13.295	- / -	- / -	- / -	- / -	- / -	- / 13.470	- / -	- / -	- / 26.765	
Type 1 Training	0 / 0.311	- / -	- / -	- / 10.190	- / -	- / 10.190	- / -	- / -	- / 0.410	- / 0.210	- / 0.220	- / 11.341	
SUPPORT-EQUIP	- / 2.408	- / 1.266	- / 2.771	- / 2.630	- / -	- / 2.630	- / 3.410	- / 3.350	- / 0.340	- / 0.830	- / 0.370	- / 17.375	
ICS-Labor	- / 15.444	- / 14.613	- / 14.247	- / 13.460	- / -	- / 13.460	- / 14.460	- / 15.240	- / 16.130	- / 14.850	- / 15.880	- / 144.324	
PMA - Other Gov't Costs	- / -	- / 12.207	- / 16.801	- / 13.430	- / -	- / 13.430	- / 12.960	- / 14.320	- / 14.650	- / 13.990	- / 15.790	- / 34.148	
Subtotal: Support	0 / 85.930	- / 16.247	- / 80.115	- / 21.972	- / -	- / 21.972	- / 23.127	- / 23.712	- / 35.947	- / 34.008	- / 18.310	- / 339.368	
Installation													
Modification Item 1 of 1: APG-82(v)1	4 / 1.833	8 / 5.603	14 / 10.695	15 / 11.390	- / -	15 / 11.390	31 / 23.680	30 / 25.360	24 / 22.610	25 / 21.430	66 / 62.680	217 / 185.281	
Subtotal: Installation	4 / 1.833	8 / 5.603	14 / 10.695	15 / 11.390	- / -	15 / 11.390	31 / 23.680	30 / 25.360	24 / 22.610	25 / 21.430	66 / 62.680	217 / 185.281	
Total													
Total Cost (Procurement + Support + Installation)	269.238	189.995	240.947	255.042	-	255.042	152.137	181.742	226.577	329.318	146.600	1,991.596	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 1202 / F-15E Radar Modernization Program APG-82(V)1

Modification Item 1 of 1: APG-82(v)1

Manufacturer Information

Manufacturer Name: Raytheon	Manufacturer Location: El Segundo CA/Forest MS
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 18

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2014	Aug 2015	Jul 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020
Delivery Dates	Jun 2016	Feb 2017	Jan 2018	Jul 2018	Jul 2019	Jul 2020	Jul 2021

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 1.833	8 / 5.603	14 / 10.695	4 / 3.040	- / -	4 / 3.040	- / -	- / -	- / -	- / -	- / -	30 / 21.171
FY 2014	- / -	- / -	- / -	11 / 8.350	- / -	11 / 8.350	7 / 5.350	- / -	- / -	- / -	- / -	18 / 13.700
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	24 / 18.330	9 / 7.610	- / -	- / -	- / -	33 / 25.940
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 17.750	14 / 13.190	- / -	- / -	35 / 30.940
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 9.420	5 / 4.290	- / -	15 / 13.710
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 15.430	- / -	18 / 15.430
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.710	21 / 18.070	23 / 19.780
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 33.120	38 / 33.120
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 11.490	7 / 11.490
Total	4 / 1.833	8 / 5.603	14 / 10.695	15 / 11.390	- / -	15 / 11.390	31 / 23.680	30 / 25.360	24 / 22.610	25 / 21.430	66 / 62.680	217 / 185.281

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	4	2	2	2	2	3	3	4	4	3	4	4	4	8	8	8	7	8	8	7	7	6	6	6	6	7	6	6	6	66	217
Out	0	1	2	-	3	2	3	3	4	4	4	3	4	4	8	8	8	7	8	8	7	7	6	6	6	6	7	6	6	76	217

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01500 / F-15				Modification Number / Title: 1 / Advanced Display Core Processor, ADCP II-E				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	4.000	-	4.000	55.223	47.633	47.070	56.855	9.436	220.217
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	4.000	-	4.000	55.223	47.633	47.070	56.855	9.436	220.217
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	4.000	-	4.000	55.223	47.633	47.070	56.855	9.436	220.217
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	0.500	6.220	6.400	6.600	3.400	23.120
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The F-15E requires a replacement Advanced Display Core Processor (ADCP II) to meet future and projected subsystem demands. The ADCP II program will equip the F-15E with a central processor with sufficient memory, processing throughput, Input/Output bandwidth, and internal mux bus bandwidth to meet the Operational Flight Program growth requirements of Suite 8 and beyond, and to support planned subsystem upgrades. The increased capability of ADCP II will also enable the F-15E to fully exploit the APG-82(V)1 radar capabilities, to include increased target tracks, mode simultaneity, and increased track data. The ADCP II is required to meet all APG-82(V)1 key system attributes. This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 0207134F.

Milestone/Development Status

ADCP II completed System Requirement Review (SRR) 3Q FY12, System Preliminary Design Review (PDR) completed 1Q FY13, System Critical Design Review (CDR) accomplished 4Q FY13, Milestone B completed 1Q FY14. Milestone C planned for 4QFY16.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	4.000	-	4.000	55.223	47.633	47.070	56.855
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	4.000	-	4.000	55.223	47.633	47.070	56.855

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 1 / Advanced Display Core Processor, ADCP II-E			
Models of Systems Affected: F-15E				Modification Type: Reliability & Maintainability				Related RDT&E PEs: 0207134F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207134F	- / 102.390	- / 54.975	- / 84.350	- / 50.468	- / -	- / 50.468	- / 109.800	- / 42.817	- / 189.903	- / -	- / -	- / 634.703	
Procurement													
Modification Item 1 of 1: ADCP II E													
A Kits													
Recurring													
ADCP II E:INSTALL KITS Group A (Active)	- / -	- / -	- / -	2 / 0.001	- / -	2 / 0.001	61 / 0.035	61 / 0.036	61 / 0.037	32 / 0.020	- / -	217 / 0.129	
Subtotal: Recurring	- / -	- / -	- / -	- / 0.001	- / -	- / 0.001	- / 0.035	- / 0.036	- / 0.037	- / 0.020	- / -	- / 0.129	
B Kits													
Recurring													
ADCP II E:EQUIPMENT Group B (Active)	- / -	- / -	- / -	2 / 1.107	- / -	2 / 1.107	61 / 38.876	61 / 39.353	61 / 36.000	32 / 29.507	- / 0.109	217 / 144.952	
Subtotal: Recurring	- / -	- / -	- / -	- / 1.107	- / -	- / 1.107	- / 38.876	- / 39.353	- / 36.000	- / 29.507	- / 0.109	- / 144.952	
Subtotal: ADCP II E	- / -	- / -	- / -	- / 1.108	- / -	- / 1.108	- / 38.911	- / 39.389	- / 36.037	- / 29.527	- / 0.109	- / 145.081	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / 1.108	- / -	- / 1.108	- / 38.911	- / 39.389	- / 36.037	- / 29.527	- / 0.109	- / 145.081	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / 1.771	- / -	- / 1.771	- / 3.500	- / 2.686	- / 2.749	- / 2.638	- / -	- / 13.344	
Change Orders	- / -	- / -	- / -	- / 0.172	- / -	- / 0.172	- / 8.144	- / 1.857	- / 2.009	- / 17.660	- / 0.377	- / 30.219	
Data	- / -	- / -	- / -	- / 0.021	- / -	- / 0.021	- / 0.645	- / 0.665	- / 0.685	- / 0.370	- / -	- / 2.386	
SUPPORT-EQUIP	- / -	- / -	- / -	- / 0.788	- / -	- / 0.788	- / 2.543	- / 1.496	- / 1.686	- / 2.349	- / -	- / 8.862	
ICS-Labor	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.029	- / 0.936	- / 1.898	- / 6.441	- / 9.304	
PMA - Other Gov't Costs	- / -	- / -	- / -	- / 0.140	- / -	- / 0.140	- / 1.480	- / 1.497	- / 1.618	- / 1.023	- / 0.303	- / 6.061	
Subtotal: Support	- / -	- / -	- / -	- / 2.892	- / -	- / 2.892	- / 16.312	- / 8.230	- / 9.683	- / 25.938	- / 7.121	- / 70.176	
Installation													
Modification Item 1 of 1: ADCP II E													
Subtotal: Installation													
	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.014	61 / 1.350	61 / 1.390	93 / 2.206	217 / 4.960	
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.014	61 / 1.350	61 / 1.390	93 / 2.206	217 / 4.960	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	4.000	-	4.000	55.223	47.633	47.070	56.855	9.436	220.217	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 1 / Advanced Display Core Processor, ADCP II-E

Modification Item 1 of 1: ADCP II E

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 14

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Dec 2016	Jun 2017	Jun 2018	Jun 2019	Jun 2020
Delivery Dates			Feb 2018	Aug 2018	Aug 2019	Aug 2020	Aug 2021

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.014	- / -	- / -	- / -	2 / 0.014
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	61 / 1.350	- / -	- / -	61 / 1.350
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	61 / 1.390	- / -	61 / 1.390
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	61 / 1.432	61 / 1.432
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.774	32 / 0.774
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.014	61 / 1.350	61 / 1.390	93 / 2.206	217 / 4.960

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	24	15	11	11	16	15	15	15	93	217
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	24	15	11	11	16	15	15	15	93	217

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01500 / F-15				Modification Number / Title: 1205 / :Advanced Display Core Processor, ADCP II-C				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	6.000	-	6.000	37.109	65.779	90.602	130.330	37.157	366.977
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	6.000	-	6.000	37.109	65.779	90.602	130.330	37.157	366.977
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	6.000	-	6.000	37.109	65.779	90.602	130.330	37.157	366.977
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	0.570	3.470	6.660	6.860	7.010	24.570
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The ADCP II upgrade ensures continued combat viability for the F-15C/D platform. The F-15C/D central computer (CC) and cockpit radar display are functionally obsolete. CC speed and memory are unable to support growth beyond Operational Flight Plan (OFP) Suite 7C, and the monochrome radar display is the #1 mission degrader in the cockpit. The ADCP II system for the F-15C consists of the ADCP II Line Replaceable Unit (LRU), Vertical Situation Display Replacement (VSDR), and a Remote Interface Unit (RIU). The F-15D configuration is the same as the F-15C with the addition of a second VSDR in the rear cockpit. Replacing the CC with the ADCP II mission computer (common with F-15E) will provide increased throughput and memory capability to support (OFP) upgrades beyond Suite 7C, enabling the aircraft to meet requirements of expanded datalink capabilities, tactics/sensors, electronic warfare, and forward/netcentric operations. Replacing the monochrome display with a 5x5 color display will reduce maintenance and sustainment costs while increasing the capability to fully support the APG-63(V)3 Active Electronic Scanning Array (AESA) radar, fighter datalink, and video recording. This program has associated RDT&E funding in PE 0207134F.

Milestone/Development Status

Development cost status are reflected on ADCP II-E, mn 1202B.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.000	-	6.000	31.413	37.099	55.765	81.244
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	5.696	28.680	34.837	49.086
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.000	-	6.000	37.109	65.779	90.602	130.330

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 1205 / :Advanced Display Core Processor, ADCP II-C			
Models of Systems Affected: F-15C, F-15D				Modification Type: Reliability & Maintainability				Related RDT&E PEs: 0207130F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: ADCP 2</i>													
A Kits													
Recurring													
ADCP 2:INSTALL KITS Group A (Active)	- / -	- / -	- / -	2 / 0.012	- / -	2 / 0.012	22 / 0.140	21 / 0.137	21 / 0.142	21 / 0.146	- / -	87 / 0.577	
ADCP 2:INSTALL KITS Group A (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.044	34 / 0.223	34 / 0.229	34 / 1.236	- / -	109 / 1.732	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.012	- / -	- / 0.012	- / 0.184	- / 0.360	- / 0.371	- / 1.382	- / -	- / 2.309	
B Kits													
Recurring													
ADCP 2:EQUIPMENT Group B (Active)	- / -	- / -	- / -	2 / 1.270	- / -	2 / 1.270	22 / 17.763	21 / 17.576	21 / 20.032	21 / 20.519	- / -	87 / 77.160	
ADCP 2:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	7 / 5.652	34 / 28.457	34 / 32.433	34 / 40.276	- / -	109 / 106.818	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.270	- / -	- / 1.270	- / 23.415	- / 46.033	- / 52.465	- / 60.795	- / -	- / 183.978	
<i>Subtotal: ADCP 2</i>	- / -	- / -	- / -	- / 1.282	- / -	- / 1.282	- / 23.599	- / 46.393	- / 52.836	- / 62.177	- / -	- / 186.287	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 1.282	- / -	- / 1.282	- / 23.599	- / 46.393	- / 52.836	- / 62.177	- / -	- / 186.287	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / 2.615	- / -	- / 2.615	- / 3.784	- / 2.980	- / 3.070	- / 3.162	- / 0.164	- / 15.775	
Change Orders	- / -	- / -	- / -	- / 0.262	- / -	- / 0.262	- / 5.512	- / 9.341	- / 19.818	- / 45.441	- / 1.587	- / 81.961	
Data	- / -	- / -	- / -	- / 0.023	- / -	- / 0.023	- / 0.342	- / 0.669	- / 0.689	- / 0.709	- / -	- / 2.432	
Type 1 Training	- / -	- / -	- / -	- / 0.558	- / -	- / 0.558	- / 0.167	- / -	- / -	- / -	- / -	- / 0.725	
SUPPORT-EQUIP	- / -	- / -	- / -	- / 1.049	- / -	- / 1.049	- / 2.789	- / 2.765	- / 2.571	- / 2.619	- / -	- / 11.793	
ICS-Labor	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.039	- / 0.617	- / 1.764	- / 7.243	- / 19.663	
PMA - Other Gov't Costs	- / -	- / -	- / -	- / 0.158	- / -	- / 0.158	- / 0.687	- / 1.230	- / 1.493	- / 1.653	- / 0.949	- / 16.170	
OTHER GOVT	- / -	- / -	- / -	- / 0.053	- / -	- / 0.053	- / 0.229	- / 0.410	- / 0.498	- / 0.553	- / 0.318	- / 2.061	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 4.718	- / -	- / 4.718	- / 13.510	- / 17.434	- / 28.756	- / 55.901	- / 10.261	- / 130.580	
Installation													
<i>Modification Item 1 of 1: ADCP 2</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.952	29 / 9.010	55 / 12.252	110 / 26.896	196 / 50.110	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.952	29 / 9.010	55 / 12.252	110 / 26.896	196 / 50.110	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	6.000	-	6.000	37.109	65.779	90.602	130.330	37.157	366.977	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 1205 / :Advanced Display Core Processor, ADCP II-C

Modification Item 1 of 1: ADCP 2

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 14

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Dec 2016	Jun 2017	Jun 2018	Jun 2019	Jun 2020
Delivery Dates			Feb 2018	Aug 2018	Aug 2019	Aug 2020	Aug 2021

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.952	- / -	- / -	- / -	2 / 1.952
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 9.010	- / -	- / -	29 / 9.010
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 12.252	- / -	55 / 12.252
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 13.249	55 / 13.249
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 13.647	55 / 13.647
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.952	29 / 9.010	55 / 12.252	110 / 26.896	196 / 50.110

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	7	7	7	8	13	14	14	14	110	196
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	7	7	7	8	13	14	14	14	110	196

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 6158 / F-15C/D APG-63(V)3 radar upgrade		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	724.854	110.291	232.460	182.100	-	182.100	87.615	86.881	83.935	41.971	-	1,550.107
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	724.854	110.291	232.460	182.100	-	182.100	87.615	86.881	83.935	41.971	-	1,550.107
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	724.854	110.291	232.460	182.100	-	182.100	87.615	86.881	83.935	41.971	-	1,550.107
<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>)	28.371	2.128	1.000	3.447	-	3.447	10.202	5.564	1.741	-	-	52.453
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The APG-63(V)3 Active Electronically Scanned Array (AESA) radar upgrade includes F-15C/D aircraft equipped with all variants of the APG-63 radar. The (V)3 AESA upgrade significantly improves Reliability, Maintainability & Supportability (RM&S), and substantially improves operational effectiveness and combat lethality of the existing APG-63 equipped aircraft. Other avionics which support radar functionality may also be upgraded. The APG-63(V)3 upgrade now includes: 18 (V)2 Models and 25 (V)0 Models. INSTALLATION OF HARDWARE: Upgrade kits funded by the Air Force reflect the separate cost to install the kit in the year of installation. The installation cost for kits funded with congressional adds or GWOT/OCO funding is included in the Group A/B kit cost in the procurement year. Modification funding will be used for DMS and material shortages. DMS and material shortage activities can include, but not limited to, life of type buy or minor redesign. Requirements document: F-15C/D Radar Improvement Program CDD dated 13 March 2014. Training costs are included in Type 1 Training, and SE/PM is included in the Group B Recurring.

Milestone/Development Status

N/A

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	75.189	0.200	20.881	-	20.881	69.101	77.253	43.510	14.000
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	35.102	232.260	161.219	-	161.219	18.514	9.628	40.425	27.971
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	110.291	232.460	182.100	-	182.100	87.615	86.881	83.935	41.971

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 6158 / F-15C/D APG-63(V)3 radar upgrade			
Models of Systems Affected: F-15C, F-15D				Modification Type: Capability Improvement				Related RDT&E PEs: 0207134F, 0207130F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207130F	- / 65.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 65.272	
Procurement													
Modification Item 1 of 1: (V)3													
A Kits													
Recurring													
(V)3:INSTALL KITS Group A (Active)	49 / 34.600	11 / 8.103	8 / 0.100	- / -	- / -	- / -	7 / 6.081	12 / 9.493	- / -	- / -	- / -	87 / 58.377	
(V)3:INSTALL KITS Group A (Guard)	59 / 32.698	6 / 3.156	23 / 25.621	19 / 26.577	- / -	19 / 26.577	2 / 1.837	- / -	- / -	- / -	- / -	109 / 89.889	
Subtotal: Recurring	- / 67.298	- / 11.259	- / 25.721	- / 26.577	- / -	- / 26.577	- / 7.918	- / 9.493	- / -	- / -	- / -	- / 148.266	
B Kits													
Recurring													
(V)3:EQUIPMENT Group B (Active)	49 / 230.364	11 / 57.697	8 / 0.100	- / -	- / -	- / -	7 / 29.805	12 / 45.002	- / -	- / -	- / -	87 / 362.968	
(V)3:EQUIPMENT Group B (Guard)	59 / 244.007	6 / 31.946	23 / 206.639	19 / 134.642	- / -	19 / 134.642	2 / 12.527	- / -	- / -	- / 27.971	- / -	109 / 657.732	
Subtotal: Recurring	- / 474.371	- / 89.643	- / 206.739	- / 134.642	- / -	- / 134.642	- / 42.332	- / 45.002	- / -	- / 27.971	- / -	- / 1,020.700	
Subtotal: (V)3	- / 541.669	- / 100.902	- / 232.460	- / 161.219	- / -	- / 161.219	- / 50.250	- / 54.495	- / -	- / 27.971	- / -	- / 1,168.966	
Subtotal: Procurement, All Modification Items	- / 541.669	- / 100.902	- / 232.460	- / 161.219	- / -	- / 161.219	- / 50.250	- / 54.495	- / -	- / 27.971	- / -	- / 1,168.966	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / 3.215	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.215	
GROUP B: TOTAL NONRECURRING	- / 81.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 81.500	
Change Orders	- / 15.944	- / 2.725	- / -	- / 10.875	- / -	- / 10.875	- / 10.335	- / 11.640	- / 37.551	- / -	- / -	- / 89.070	
Data	- / 5.655	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.655	
SUPPORT-EQUIP	- / 1.353	- / -	- / -	- / -	- / -	- / -	- / 16.037	- / 8.258	- / -	- / -	- / -	- / 25.648	
ICS-Labor	- / 15.203	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.203	
PMA - Other Gov't Costs	- / 0.777	- / 2.317	- / -	- / 3.240	- / -	- / 3.240	- / 1.544	- / 1.323	- / 0.149	- / -	- / -	- / 9.350	
OTHER GOVT	- / 8.419	- / -	- / -	- / 1.620	- / -	- / 1.620	- / 0.772	- / 0.837	- / 0.260	- / -	- / -	- / 11.908	
GFP	- / 1.457	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.457	
Mod of Spares	7 / 47.618	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 47.618	
Type 1 Training	- / -	- / -	- / -	- / 10.200	- / -	- / 10.200	- / -	- / -	- / -	- / -	- / -	- / 10.200	
Subtotal: Support	7 / 181.141	- / 5.042	- / -	- / 15.935	- / -	- / 15.935	- / 28.688	- / 22.058	- / 37.960	- / -	- / -	7 / 290.824	
Installation													
Modification Item 1 of 1: (V)3	55 / 2.044	17 / 4.347	21 / -	24 / 4.946	- / -	24 / 4.946	23 / 8.677	26 / 10.328	20 / 45.975	10 / 14.000	- / -	196 / 90.317	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 6158 / F-15C/D APG-63(V)3 radar upgrade			
Models of Systems Affected: F-15C, F-15D				Modification Type: Capability Improvement				Related RDT&E PEs: 0207134F, 0207130F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<i>Subtotal: Installation</i>	55 / 2.044	17 / 4.347	21 / -	24 / 4.946	- / -	24 / 4.946	23 / 8.677	26 / 10.328	20 / 45.975	10 / 14.000	- / -	196 / 90.317	
Total													
Total Cost (Procurement + Support + Installation)	724.854	110.291	232.460	182.100	-	182.100	87.615	86.881	83.935	41.971	-	1,550.107	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 6158 / F-15C/D APG-63(V)3 radar upgrade

Modification Item 1 of 1: (V)3

Manufacturer Information

Manufacturer Name: Raytheon	Manufacturer Location: El Segundo CA/Forest MS
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 18

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Sep 2014	Aug 2015	Jun 2016	Mar 2017	Mar 2018		
Delivery Dates	Mar 2016	Feb 2017	Dec 2017	Sep 2018	Sep 2019		

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 2.044	17 / 4.347	21 / 0.000	15 / 0.000	- / -	15 / 0.000	- / -	- / -	- / -	- / -	- / -	108 / 6.391
FY 2014	- / -	- / -	- / -	9 / 4.946	- / -	9 / 4.946	8 / 2.527	- / -	- / -	- / -	- / -	17 / 7.473
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	15 / 6.150	16 / 5.700	- / -	- / -	- / -	31 / 11.850
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 4.628	9 / 25.437	- / -	- / -	19 / 30.065
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 18.488	- / -	- / -	9 / 18.488
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.050	10 / 14.000	- / -	12 / 16.050
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	55 / 2.044	17 / 4.347	21 / -	24 / 4.946	- / -	24 / 4.946	23 / 8.677	26 / 10.328	20 / 45.975	10 / 14.000	- / -	196 / 90.317

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	5	4	4	4	5	5	6	5	5	6	7	6	6	6	5	6	7	6	7	6	5	5	5	5	4	3	3	-	-	196
Out	50	5	5	4	4	4	5	5	6	5	5	6	7	6	6	6	5	6	7	6	7	6	5	5	5	5	4	3	3	-	196

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01500 / F-15				Modification Number / Title: 8799 / F-15C MIDS JTRS				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	6.387	-	6.387	12.226	48.600	48.600	49.600	-	165.413
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	6.387	-	6.387	12.226	48.600	48.600	49.600	-	165.413
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	6.387	-	6.387	12.226	48.600	48.600	49.600	-	165.413

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This upgrade integrates and installs a new Link 16 system that complies with an NSA mandate on cryptographic modernization and an FAA mandate on frequency remapping. The FAA mandate requires all fielded Link-16 terminals incorporate the frequency re-mapping capability by 2020.

In addition to meeting the two mandates, the system will significantly increase data link capability by enabling the system to receive up to four times as much information as the previous Link 16. It also increases the output power from 50 watts to 200 watts, improving long range performance and the ability to operate in a jamming environment. It will also reduce sustainment costs due to its commonality with other DoD assets.

Milestone/Development Status

N/A

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.387	-	6.387	12.226	48.600	48.600	49.600
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.387	-	6.387	12.226	48.600	48.600	49.600

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 8799 / F-15C MIDS JTRS			
Models of Systems Affected: F-15C				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: B Kit</i>													
B Kits													
Recurring													
B Kit:EQUIPMENT Group B (Active)	- / -	- / -	- / -	7 / 6.387	- / -	7 / 6.387	15 / 12.226	57 / 48.600	57 / 48.600	60 / 49.600	- / -	196 / 165.413	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 6.387	- / -	- / 6.387	- / 12.226	- / 48.600	- / 48.600	- / 49.600	- / -	- / 165.413	
<i>Subtotal: B Kit</i>	- / -	- / -	- / -	- / 6.387	- / -	- / 6.387	- / 12.226	- / 48.600	- / 48.600	- / 49.600	- / -	- / 165.413	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 6.387	- / -	- / 6.387	- / 12.226	- / 48.600	- / 48.600	- / 49.600	- / -	- / 165.413	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	6.387	-	6.387	12.226	48.600	48.600	49.600	-	165.413	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 8799 / F-15C MIDS JTRS
---	---	---

Modification Item 1 of 1: B Kit

Manufacturer Information

Manufacturer Name: Unknown	Manufacturer Location: Unknown
----------------------------	--------------------------------

Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 0
--	------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 196
---	-----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 8800 / F-15E MIDS JTRS		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	6.409	-	6.409	11.910	47.500	47.208	48.408	-	161.435
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	6.409	-	6.409	11.910	47.500	47.208	48.408	-	161.435
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	6.409	-	6.409	11.910	47.500	47.208	48.408	-	161.435

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This upgrade integrates and installs a new Link 16 system that complies with an NSA mandate on cryptographic modernization and an FAA mandate on frequency remapping. The FAA mandate requires all fielded Link-16 terminals incorporate the frequency re-mapping capability by 2020.

In addition to meeting the two mandates, the system will significantly increase data link capability by enabling the system to receive up to four times as much information as the previous Link 16. It also increases the output power from 50 watts to 200 watts, improving long range performance and the ability to operate in a jamming environment. It will also reduce sustainment costs due to its commonality with other DoD assets.

Milestone/Development Status

N/A

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.409	-	6.409	11.910	47.500	47.208	48.408
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.409	-	6.409	11.910	47.500	47.208	48.408

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 8800 / F-15E MIDS JTRS			
Models of Systems Affected: F-15E				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: B Kit (2)</i>													
B Kits													
Recurring													
B Kit:EQUIPMENT Group B (Active)	- / -	- / -	- / -	8 / 6.409	- / -	8 / 6.409	16 / 11.910	64 / 47.500	63 / 47.208	66 / 48.408	- / -	217 / 161.435	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 6.409	- / -	- / 6.409	- / 11.910	- / 47.500	- / 47.208	- / 48.408	- / -	- / 161.435	
<i>Subtotal: B Kit (2)</i>	- / -	- / -	- / -	- / 6.409	- / -	- / 6.409	- / 11.910	- / 47.500	- / 47.208	- / 48.408	- / -	- / 161.435	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 6.409	- / -	- / 6.409	- / 11.910	- / 47.500	- / 47.208	- / 48.408	- / -	- / 161.435	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	6.409	-	6.409	11.910	47.500	47.208	48.408	-	161.435	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 8800 / F-15E MIDS JTRS
---	---	---

Modification Item 1 of 1: B Kit (2)

Manufacturer Information

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

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 217
---	-----------------------------------

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: F01600 / F-16
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207133F, 0207445F, 0809731F	Other Related Program Elements: 0207133F, 0207445F
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	646.078	9.334	9.042	17.134	-	17.134	34.273	73.271	110.079	138.153	1,069.938	2,107.302
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	646.078	9.334	9.042	17.134	-	17.134	34.273	73.271	110.079	138.153	1,069.938	2,107.302
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	646.078	9.334	9.042	17.134	-	17.134	34.273	73.271	110.079	138.153	1,069.938	2,107.302
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The F-16 is a multi-role fighter capable of employing a wide variety of nuclear and conventional weapons and missiles in both the air-to-surface and air-to-air mission areas. The specific modifications budgeted and programmed are below.

Funding for the Link 16 Crypto mod contained in PE 0207445F.
 Funding for AETC-MTD Trainers mod contained in PE 0809731F.
 All other F-16 mods in this exhibit contained in PE 0207133F.

The FY2016 funding request was reduced by \$2.880 million to account for the availability of prior execution balances.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.942	9.012	16.785	-	16.785	33.332	72.374	109.152	137.075
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.392	0.030	0.349	-	0.349	0.941	0.897	0.927	1.078
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	9.334	9.042	17.134	-	17.134	34.273	73.271	110.079	138.153

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F01600 / F-16

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207133F, 0207445F, 0809731F **Other Related Program Elements:** 0207133F, 0207445F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / MMC and Display Generator Upgrade (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
2 / FALCON STAR (Capability Improvement)	P-40a***		- / 412.979	- / 0.224	- / -	- / -	- / -	- / -
3 / F-16 LEGACY STRUCTURAL SLEP (Service Life Extension)	P-40a***		- / 0.000	- / -	- / -	- / -	- / -	- / -
4 / Mode 5 Identification (Capability Improvement)	P-40a***		- / 34.650	- / -	- / -	- / -	- / -	- / -
5 / DIGITAL FLIGHT CONTROL COMPUTER (Safety)	P-40a***		- / 8.784	- / 2.254	- / 1.000	- / -	- / -	- / -
6 / ADVANCED DATA TRANSFER EQUIPMENT (Capability Improvement)	P-40a***		- / 37.900	- / 1.406	- / -	- / -	- / -	- / -
7 / ON BOARD OXYGEN GENERATION SYSTEM (OBOGS) (Capability Improvement)	P-40a***		- / 48.288	- / -	- / -	- / -	- / -	- / -
8 / Situational Awareness Data Link (SADL) (Capability Improvement)	P-40a***		- / 2.291	- / -	- / -	- / -	- / -	- / -
9 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Capability Improvement)	P-40a***		- / 84.042	- / 5.450	- / 6.053	- / 3.305	- / -	- / 3.305
10 / F-16 TRAINING SYSTEMS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / 3.250	- / -	- / 3.250
11 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 14.876	- / -	- / 1.939	- / 0.379	- / -	- / 0.379
12 / F-110 Engine Fire Seal Mod (Safety)	P-40a***		- / 2.268	- / -	- / 0.050	- / -	- / -	- / -
661653 / MIDS-JTRS (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 7.000	- / -	- / 7.000
661652 / Link 16 Crypto (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 3.200	- / -	- / 3.200
Total Gross/Weapon System Cost			- / 646.078	- / 9.334	- / 9.042	- / 17.134	- / -	- / 17.134

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / MMC and Display Generator Upgrade (Capability Improvement)	P-40a***		- / -	- / -	- / 20.872	- / 23.980	- / 281.741	- / 326.593
2 / FALCON STAR (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 413.203
3 / F-16 LEGACY STRUCTURAL SLEP (Service Life Extension)	P-40a***		- / 2.800	- / 11.400	- / 23.700	- / 44.972	- / 612.310	- / 695.182
4 / Mode 5 Identification (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 34.650
5 / DIGITAL FLIGHT CONTROL COMPUTER (Safety)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 12.038
6 / ADVANCED DATA TRANSFER EQUIPMENT (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 39.306
7 / ON BOARD OXYGEN GENERATION SYSTEM (OBOGS) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 48.288
8 / Situational Awareness Data Link (SADL) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 2.291
9 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Capability Improvement)	P-40a***		- / 7.058	- / 5.325	- / 5.423	- / 5.516	- / -	- / 122.172
10 / F-16 TRAINING SYSTEMS (Capability Improvement)	P-40a***		- / 2.875	- / 4.070	- / 4.472	- / 4.448	- / -	- / 19.115
11 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.836	- / 0.002	- / 0.002	- / 0.002	- / -	- / 18.036
12 / F-110 Engine Fire Seal Mod (Safety)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 2.318
661653 / MIDS-JTRS (Capability Improvement)	P-3a		- / 14.200	- / 46.308	- / 48.800	- / 50.800	- / 175.887	- / 342.995

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: F01600 / F-16
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207133F, 0207445F, 0809731F	Other Related Program Elements: 0207133F, 0207445F
---	--	---

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
661652 / Link 16 Crypto (Capability Improvement)	P-3a		- / 6.504	- / 6.166	- / 6.810	- / 8.435	- / -	- / 31.115
Total Gross/Weapon System Cost			- / 34.273	- / 73.271	- / 110.079	- / 138.153	- / 1,069.938	- / 2,107.302

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01600 / F-16						Modification Number / Title: 661653 / MIDS-JTRS		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	7.000	-	7.000	14.200	46.308	48.800	50.800	175.887	342.995
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	7.000	-	7.000	14.200	46.308	48.800	50.800	175.887	342.995
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	7.000	-	7.000	14.200	46.308	48.800	50.800	175.887	342.995

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Chairman, Joint Chiefs of Staff directed a modernization effort at the recommendation of the National Security Agency (NSA) to modernize equipment and provide enhanced security for Link 16 tactical networks (Cryptographic Modernization (CM)). Likewise, a radio frequency spectrum memorandum of agreement between the DoD and the Department of Transportation mandate the internal frequency remapping for our Link 16 family of terminals to avoid conflict with next generation Federal Aviation Administration radio aids to navigation. These two mandates will be satisfied by replacing existing Link 16 Multifunctional Information Distribution System (MIDS) Low Volume Terminals (LVT) with MIDS-Joint Tactical Radio System (JTRS) terminals. MIDS-JTRS terminals will also improve the F-16 capability by providing higher data bandwidth and lower latency as well as growth capability to ultimately incorporate secure, jam-resistant J-Voice and three growth slots which could host additional waveforms (Mobile User Objective System (MUOS), Integrated Broadcast Service (IBS), etc.).

EMD for this program is being accomplished within the F-16 RDT&E program. A total of 15 MIDS-JTRS test assets units will be procured in FY15 with F-16 RDT&E funds.

Milestone/Development Status

EMD will be accomplished as part of the F-16 OFP Updates program.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	7.000	-	7.000	14.200	46.308	48.800	50.800
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	7.000	-	7.000	14.200	46.308	48.800	50.800

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01600 / F-16					Modification Number / Title: 661653 / MIDS-JTRS			
Models of Systems Affected: F-16				Modification Type: Capability Improvement				Related RDT&E PEs: 0207445F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> MIDS-JTRS													
A Kits													
Recurring													
MIDS-JTRS:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	35 / 1.021	113 / 3.396	99 / 3.062	86 / 2.739	282 / 9.366	615 / 19.584	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.021	- / 3.396	- / 3.062	- / 2.739	- / 9.366	- / 19.584	
B Kits													
Recurring													
MIDS-JTRS:EQUIPMENT Group B (Active)	- / -	- / -	- / -	- / -	- / -	- / -	35 / 11.690	113 / 37.403	99 / 34.551	86 / 30.912	282 / 105.692	615 / 220.248	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.690	- / 37.403	- / 34.551	- / 30.912	- / 105.692	- / 220.248	
<i>Subtotal: MIDS-JTRS</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.711	- / 40.799	- / 37.613	- / 33.651	- / 115.058	- / 239.832	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.711	- / 40.799	- / 37.613	- / 33.651	- / 115.058	- / 239.832	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / 7.000	- / -	- / 7.000	- / -	- / -	- / -	- / -	- / -	- / 7.000	
SUPPORT-EQUIP	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.248	3 / 0.765	3 / 0.787	3 / 0.811	8 / 2.257	18 / 4.868	
OTHER GOVT	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.241	- / 4.744	- / 8.193	- / 13.251	- / 45.787	- / 73.216	
OCO INSTALLATIONS	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.207	- / 3.087	- / 12.785	- / 18.079	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 7.000	- / -	- / 7.000	1 / 1.489	3 / 5.509	3 / 11.187	3 / 17.149	8 / 60.829	18 / 103.163	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	7.000	-	7.000	14.200	46.308	48.800	50.800	175.887	342.995	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 661653 / MIDS-JTRS
---	---	---

Modification Item 1 of 1: MIDS-JTRS

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: TBD
------------------------	----------------------------

Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 615
---	-----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01600 / F-16					Modification Number / Title: 661652 / Link 16 Crypto		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	3.200	-	3.200	6.504	6.166	6.810	8.435	-	31.115
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	3.200	-	3.200	6.504	6.166	6.810	8.435	-	31.115
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	3.200	-	3.200	6.504	6.166	6.810	8.435	-	31.115
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Chairman, Joint Chiefs of Staff directed a modernization effort at the recommendation of the National Security Agency (NSA) to modernize equipment and provide enhanced security for Link 16 tactical networks (Cryptographic Modernization (CM)). Likewise, a radio frequency spectrum memorandum of agreement between the DoD and the Department of Transportation mandate the internal frequency remapping for our Link 16 family of terminals to avoid conflict with next generation Federal Aviation Administration radio aids to navigation. These two mandates, among other operational reliability and capability improvements will be satisfied under a Block Upgrade 2 (BU2) effort planned for the Link 16 Multifunctional Information Distribution System (MIDS) Low Volume Terminal (LVT). BU2 will procure new Signal Message Processor (SMP) cards that incorporate the most current NSA-mandated cryptographic standards. BU2 will also procure a new Tailored Processor/Ground Multiplexor cards, update software and firmware in the MIDS LVT to improve operational reliability and provide the radio the ability to remap the lower frequency range of the terminal. The new cards will be installed in all terminals and spare cards will also be purchased. The BU2 upgrade of the LVT will impact fighter aircraft. The 526 for active forces includes 26 ground stations. Funding for this exhibit contained in PE 0207445F.

Milestone/Development Status

Retrofit Modification kits are being developed under a Navy contract as part of the LVT Block Upgrade 2.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	2.851	-	2.851	5.563	5.269	5.883	7.357
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.349	-	0.349	0.941	0.897	0.927	1.078
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	3.200	-	3.200	6.504	6.166	6.810	8.435

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01600 / F-16					Modification Number / Title: 661652 / Link 16 Crypto			
Models of Systems Affected: F-16				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1: Link 16 Crypto</i>													
B Kits													
Recurring													
Link 16 Crypto:EQUIPMENT Group B (Active)	- / -	- / -	- / -	35 / 1.992	- / -	35 / 1.992	71 / 3.930	74 / 3.855	81 / 4.249	94 / 5.426	- / -	355 / 19.452	
Link 16 Crypto:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	6 / 0.349	- / -	6 / 0.349	17 / 0.941	17 / 0.897	17 / 0.927	19 / 1.078	- / -	76 / 4.192	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 2.341	- / -	- / 2.341	- / 4.871	- / 4.752	- / 5.176	- / 6.504	- / -	- / 23.644	
<i>Subtotal: Link 16 Crypto</i>	- / -	- / -	- / -	- / 2.341	- / -	- / 2.341	- / 4.871	- / 4.752	- / 5.176	- / 6.504	- / -	- / 23.644	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 2.341	- / -	- / 2.341	- / 4.871	- / 4.752	- / 5.176	- / 6.504	- / -	- / 23.644	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / 0.163	- / -	- / 0.163	- / 0.056	- / -	- / -	- / -	- / -	- / 0.219	
SUPPORT-EQUIP	- / -	- / -	- / -	1 / 0.120	- / -	1 / 0.120	3 / 0.371	2 / 0.255	3 / 0.394	3 / 0.405	- / -	12 / 1.545	
OTHER GOVT	- / -	- / -	- / -	- / 0.188	- / -	- / 0.188	- / 0.387	- / 0.376	- / 0.419	- / 0.513	- / -	- / 1.883	
Change Orders	- / -	- / -	- / -	- / 0.160	- / -	- / 0.160	- / 0.321	- / 0.313	- / 0.293	- / 0.380	- / -	- / 1.467	
Mod of Spares	- / -	- / -	- / -	4 / 0.228	- / -	4 / 0.228	9 / 0.498	9 / 0.470	10 / 0.528	11 / 0.633	- / -	43 / 2.357	
<i>Subtotal: Support</i>	- / -	- / -	- / -	5 / 0.859	- / -	5 / 0.859	12 / 1.633	11 / 1.414	13 / 1.634	14 / 1.931	- / -	55 / 7.471	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	3.200	-	3.200	6.504	6.166	6.810	8.435	-	31.115	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 661652 / Link 16 Crypto
---	---	--

Modification Item 1 of 1: Link 16 Crypto

Manufacturer Information

Manufacturer Name: Various	Manufacturer Location: Various
----------------------------	--------------------------------

Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 568
---	-----------------------------------

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: F02200 / F-22A
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0207138F
---	---	---

Line Item MDAP/MAIS Code: 265	Item MDAP/MAIS Code(s):
--------------------------------------	--------------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,948.363	232.156	180.207	126.152	-	126.152	215.861	178.006	185.559	237.443	1,344.446	4,648.193
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,948.363	232.156	180.207	126.152	-	126.152	215.861	178.006	185.559	237.443	1,344.446	4,648.193
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,948.363	232.156	180.207	126.152	-	126.152	215.861	178.006	185.559	237.443	1,344.446	4,648.193

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

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

Description:

The F-22A program is the next generation multi-mission air superiority fighter to counter emerging worldwide threats. The F-22A is designed to penetrate enemy airspace and achieve a first-look, first-kill capability against multiple targets.

Funding for the exhibit contained in PE 0207138F.

All mods identified in the FY16PB documentation are validated by the Operational Requirements Document/F-22 Advanced Tactical Fighter - JROCM Feb '04

The FY2016 funding request was reduced by \$60.131 million to account for the availability of prior execution balances.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	205.396	167.200	106.969	-	106.969	184.081	147.998	165.913	213.397
AFNG									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	26.760	13.007	19.183	-	19.183	31.780	30.008	19.646	24.046
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	232.156	180.207	126.152	-	126.152	215.861	178.006	185.559	237.443

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F02200 / F-22A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0207138F

Line Item MDAP/MAIS Code: 265 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / COMMON CONFIGURATION (Capability Improvement)	P-40a***		- / 662.124	- / 2.612	- / 1.379	- / 4.321	- / -	- / 4.321
2 / INCREMENT 3.1 (Capability Improvement)	P-40a***		- / 230.556	- / 12.701	- / 3.671	- / 3.017	- / -	- / 3.017
3 / Low Cost Mod Weapon System (Capability Improvement)	P-40a***		- / 13.148	- / -	- / -	- / -	- / -	- / -
4 / Trainers Modernization (Safety)	P-40a***		- / 44.255	- / 32.600	- / 9.844	- / 4.015	- / -	- / 4.015
5 / Crypto Modernization (Capability Improvement)	P-40a***		- / 5.104	- / -	- / -	- / -	- / -	- / -
6 / Tactical Mandates (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
1 / Reliability and Maintainability Maturation Program (Reliability & Maintainability)	P-3a		- / 775.344	- / 126.123	- / 119.212	- / 76.937	- / -	- / 76.937
2 / F119 Engine Modifications (Other)	P-3a		- / 28.521	- / 27.382	- / 16.754	- / 16.613	- / -	- / 16.613
3 / Structures Retrofit Plan (Service Life Extension)	P-3a		- / 189.311	- / 30.738	- / 29.347	- / 21.249	- / -	- / 21.249
Total Gross/Weapon System Cost			- / 1,948.363	- / 232.156	- / 180.207	- / 126.152	- / -	- / 126.152

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / COMMON CONFIGURATION (Capability Improvement)	P-40a***		- / 1.479	- / -	- / -	- / -	- / -	- / 671.915
2 / INCREMENT 3.1 (Capability Improvement)	P-40a***		- / 1.489	- / 0.439	- / -	- / -	- / -	- / 251.873
3 / Low Cost Mod Weapon System (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 13.148
4 / Trainers Modernization (Safety)	P-40a***		- / 9.958	- / 8.143	- / 4.229	- / 4.350	- / 38.800	- / 156.194
5 / Crypto Modernization (Capability Improvement)	P-40a***		- / -	- / -	- / 6.394	- / 4.905	- / -	- / 16.403
6 / Tactical Mandates (Capability Improvement)	P-40a***		- / -	- / -	- / 55.865	- / 123.173	- / 223.310	- / 402.348
1 / Reliability and Maintainability Maturation Program (Reliability & Maintainability)	P-3a		- / 131.319	- / 121.133	- / 98.615	- / 82.921	- / 890.997	- / 2,422.601
2 / F119 Engine Modifications (Other)	P-3a		- / 30.379	- / 26.420	- / 17.884	- / 12.324	- / 191.339	- / 367.616
3 / Structures Retrofit Plan (Service Life Extension)	P-3a		- / 41.237	- / 21.871	- / 2.572	- / 9.770	- / -	- / 346.095
Total Gross/Weapon System Cost			- / 215.861	- / 178.006	- / 185.559	- / 237.443	- / 1,344.446	- / 4,648.193

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F02200 / F-22A				Modification Number / Title: 1 / Reliability and Maintainability Maturation Program				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	775.344	126.123	119.212	76.937	-	76.937	131.319	121.133	98.615	82.921	890.997	2,422.601
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	775.344	126.123	119.212	76.937	-	76.937	131.319	121.133	98.615	82.921	890.997	2,422.601
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	775.344	126.123	119.212	76.937	-	76.937	131.319	121.133	98.615	82.921	890.997	2,422.601
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Reliability, Availability, and Maintainability Maturation Program (RAMMP) provides for the development and integration of upgrades to improve reliability, availability and maintainability (RAM). The associated RAMMP effort develops candidate RAMMP initiatives which are down-selected for implementation based on their development maturity and impact on F-22 life cycle costs. RAMMP also includes depot touch labor and throughput for diminishing manufacturing sources projects, modifications to address corrosion, and urgent response requirements for the aircraft such as Automatic Back-Up Oxygen System (ABOS). RAMMP retrofit kit purchases currently include individual RAMMP projects, totaling over 2,100 kits. In FY2015 and FY2016 RAMMP kit purchases and installs will include Configurable Rail Launchers (CRL) AIM-9X extension kits required to modify the existing CRLs to carry AIM-9X missiles. F-22 availability was maintained at approximately 61% for FY2014. Kit installations are done either at the depot or by a contractor field team depending on the complexity of the effort. RAMMP includes Mission Support Requirements.

Milestone/Development Status

The development effort continually provides Research and Development projects to increase Reliability, Availability, and Maintainability of the aircraft through the FYDP. As these projects are tested and qualified, they are implemented via the retrofit program.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	108.952	108.400	65.637	-	65.637	114.125	104.955	84.047	67.886
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	17.171	10.812	11.300	-	11.300	17.194	16.178	14.568	15.035
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	126.123	119.212	76.937	-	76.937	131.319	121.133	98.615	82.921

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F02200 / F-22A					Modification Number / Title: 1 / Reliability and Maintainability Maturation Program			
Models of Systems Affected: F-22				Modification Type: Reliability & Maintainability				Related RDT&E PEs: 0207138F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: RAMMP Kits</i>													
B Kits													
Recurring													
RAMMP Kits:EQUIPMENT Group B (Active)	2,015 / 457.949	1,733 / 60.793	1,241 / 37.957	948 / 29.783	- / -	948 / 29.783	1,104 / 58.451	946 / 51.662	946 / 41.058	950 / 34.008	7,600 / 354.062	17,483 / 1,125.723	
RAMMP Kits:EQUIPMENT Group B (Guard)	256 / 28.110	324 / 6.836	197 / 6.576	86 / 5.132	- / -	86 / 5.132	34 / 10.519	14 / 8.365	14 / 7.320	16 / 7.458	160 / 62.481	1,101 / 142.797	
<i>Subtotal: Recurring</i>	- / 486.059	- / 67.629	- / 44.533	- / 34.915	- / -	- / 34.915	- / 68.970	- / 60.027	- / 48.378	- / 41.466	- / 416.543	- / 1,268.520	
<i>Subtotal: RAMMP Kits</i>	- / 486.059	- / 67.629	- / 44.533	- / 34.915	- / -	- / 34.915	- / 68.970	- / 60.027	- / 48.378	- / 41.466	- / 416.543	- / 1,268.520	
<i>Subtotal: Procurement, All Modification Items</i>	- / 486.059	- / 67.629	- / 44.533	- / 34.915	- / -	- / 34.915	- / 68.970	- / 60.027	- / 48.378	- / 41.466	- / 416.543	- / 1,268.520	
Support (All Modification Items)													
PMA - Other Gov't Costs	- / 9.283	- / 3.232	- / 2.880	- / 2.969	- / -	- / 2.969	- / 3.155	- / 3.551	- / 1.920	- / 1.895	- / -	- / 28.885	
<i>Subtotal: Support</i>	- / 9.283	- / 3.232	- / 2.880	- / 2.969	- / -	- / 2.969	- / 3.155	- / 3.551	- / 1.920	- / 1.895	- / -	- / 28.885	
Installation													
<i>Modification Item 1 of 1: RAMMP Kits</i>													
	2,271 / 280.002	2,057 / 55.262	1,438 / 71.799	1,034 / 39.053	- / -	1,034 / 39.053	1,138 / 59.194	960 / 57.555	960 / 48.317	966 / 39.560	7,760 / 474.454	18,584 / 1,125.196	
<i>Subtotal: Installation</i>	2,271 / 280.002	2,057 / 55.262	1,438 / 71.799	1,034 / 39.053	- / -	1,034 / 39.053	1,138 / 59.194	960 / 57.555	960 / 48.317	966 / 39.560	7,760 / 474.454	18,584 / 1,125.196	
Total													
Total Cost (Procurement + Support + Installation)	775.344	126.123	119.212	76.937	-	76.937	131.319	121.133	98.615	82.921	890.997	2,422.601	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 1 / Reliability and Maintainability Maturation Program

Modification Item 1 of 1: RAMMP Kits

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Palmdale/Hill AFB
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 0

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	248 / 13.498	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	248 / 13.498
FY 2016	- / -	- / -	- / -	190 / 6.990	- / -	190 / 6.990	- / -	- / -	- / -	- / -	- / -	190 / 6.990
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	221 / 9.880	- / -	- / -	- / -	- / -	221 / 9.880
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	189 / 8.854	- / -	- / -	- / -	189 / 8.854
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	189 / 8.214	- / -	- / -	189 / 8.214
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	190 / 8.587	- / -	190 / 8.587
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,520 / 80.657	1,520 / 80.657
Total	- / -	- / -	248 / 13.498	190 / 6.990	- / -	190 / 6.990	221 / 9.880	189 / 8.854	189 / 8.214	190 / 8.587	1,520 / 80.657	2,747 / 136.680

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	62	62	62	62	47	47	48	48	55	55	55	56	47	47	47	48	47	47	47	48	47	47	48	48	1,520	2,747
Out	0	-	-	-	-	62	62	62	62	47	47	48	48	55	55	55	56	47	47	47	48	47	47	47	48	47	47	48	48	1,520	2,747

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	2,271 / 280.002	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,271 / 280.002

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 1 / Reliability and Maintainability Maturation Program

Modification Item 1 of 1: RAMMP Kits

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	2,057 / 55.262	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,057 / 55.262
FY 2015	- / -	- / -	1,190 / 58.301	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,190 / 58.301
FY 2016	- / -	- / -	- / -	844 / 32.063	- / -	844 / 32.063	- / -	- / -	- / -	- / -	- / -	844 / 32.063
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	917 / 49.314	- / -	- / -	- / -	- / -	917 / 49.314
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	771 / 48.701	- / -	- / -	- / -	771 / 48.701
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	771 / 40.103	- / -	- / -	771 / 40.103
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	776 / 30.973	- / -	776 / 30.973
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6,240 / 393.797	6,240 / 393.797
Total	2,271 / 280.002	2,057 / 55.262	1,190 / 58.301	844 / 32.063	- / -	844 / 32.063	917 / 49.314	771 / 48.701	771 / 40.103	776 / 30.973	6,240 / 393.797	15,837 / 988.516

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	2,271	514	514	514	515	297	297	298	298	211	211	211	211	229	229	229	230	192	193	193	193	192	193	193	193	194	194	194	194	6,240	15,837
Out	2,271	514	514	514	515	297	297	298	298	211	211	211	211	229	229	229	230	192	193	193	193	192	193	193	193	194	194	194	194	6,240	15,837

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F02200 / F-22A						Modification Number / Title: 2 / F119 Engine Modifications	

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	28.521	27.382	16.754	16.613	-	16.613	30.379	26.420	17.884	12.324	191.339	367.616
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	28.521	27.382	16.754	16.613	-	16.613	30.379	26.420	17.884	12.324	191.339	367.616
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	28.521	27.382	16.754	16.613	-	16.613	30.379	26.420	17.884	12.324	191.339	367.616
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program includes both the F119 Engine modifications, depot, and SE tooling to support F119 Engine modifications. This program funds modifications for engines in 181 aircraft and approximately 107 whole engine spares. Quantities reflect individual kit procurement and installation. Engine modifications are necessary to improve the safety, reliability, maintainability, sustainability, mission performance, and affordability of the F119 engine in order to achieve full life status of 8,650 Total Accumulated Cycles (TAC). Engine depot inductions and inspections are funded through this program including depot and support equipment (SE) tooling for F119 Engine Parts to support F119 Engine depot modifications. Engines enter into depot induction, get inspected and when new issues are discovered, corrections are developed via the engine Component Improvement Program (CIP), PE 0207268F, and are implemented via modifications. Induction inspections are based on TAC counts. The 2,300 TAC core inductions began in FY11 and carry through FY19; the 5th stage Integrally Bladed Rotor (IBR) is limited 3,600 TAC depot induction starting CY14 and ending in CY17. The next phase of inductions will occur at 4,325 TACs, also known as half-life inspections. These inspections began in the second half of FY13 and will continue through the FYDP. The 4,325 TAC inspections will refurbish the F119 Engine in order to achieve full life of 8,650 TACs. Inspections may generate maintenance and repair actions that will require engine modifications. Kit installations are done either at the depot or by field teams depending on the complexity of the effort. F119 Engine Modifications includes Mission Support Requirements.

Milestone/Development Status

Development accomplished via the Engine Component Improvement Program (CIP), PE 0207268F.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	24.246	15.849	14.220	-	14.220	23.591	20.950	16.119	10.971
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.136	0.905	2.393	-	2.393	6.788	5.470	1.765	1.353
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	27.382	16.754	16.613	-	16.613	30.379	26.420	17.884	12.324

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force											Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F02200 / F-22A					Modification Number / Title: 2 / F119 Engine Modifications				
Models of Systems Affected: F-22				Modification Type: Other				Related RDT&E PEs: 0207138F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Engine Modification Kits</i>													
B Kits													
Recurring													
Engine Modification Kits:EQUIPMENT Group B (Active)	1,537 / 23.899	1,172 / 18.666	428 / 11.382	1,352 / 6.315	- / -	1,352 / 6.315	1,351 / 9.310	1,145 / 9.397	1,275 / 8.294	879 / 6.410	9,600 / 140.275	18,739 / 233.948	
Engine Modification Kits:EQUIPMENT Group B (Guard)	202 / 1.675	104 / 3.067	76 / 0.590	239 / 1.757	- / -	239 / 1.757	238 / 3.730	202 / 2.999	225 / 1.151	155 / 0.883	1,696 / 24.754	3,137 / 40.606	
<i>Subtotal: Recurring</i>	- / 25.574	- / 21.733	- / 11.972	- / 8.072	- / -	- / 8.072	- / 13.040	- / 12.396	- / 9.445	- / 7.293	- / 165.029	- / 274.554	
<i>Subtotal: Engine Modification Kits</i>	- / 25.574	- / 21.733	- / 11.972	- / 8.072	- / -	- / 8.072	- / 13.040	- / 12.396	- / 9.445	- / 7.293	- / 165.029	- / 274.554	
<i>Subtotal: Procurement, All Modification Items</i>	- / 25.574	- / 21.733	- / 11.972	- / 8.072	- / -	- / 8.072	- / 13.040	- / 12.396	- / 9.445	- / 7.293	- / 165.029	- / 274.554	
Support (All Modification Items)													
PMA - Other Gov't Costs	- / 0.647	- / 0.913	- / 0.848	- / 0.723	- / -	- / 0.723	- / 0.857	- / 0.883	- / 0.765	- / 0.794	- / 0.416	- / 6.846	
<i>Subtotal: Support</i>	- / 0.647	- / 0.913	- / 0.848	- / 0.723	- / -	- / 0.723	- / 0.857	- / 0.883	- / 0.765	- / 0.794	- / 0.416	- / 6.846	
Installation													
<i>Modification Item 1 of 1: Engine Modification Kits</i>	1,543 / 2.300	196 / 4.736	1,276 / 3.934	504 / 7.818	- / -	504 / 7.818	1,591 / 16.482	1,589 / 13.141	1,347 / 7.674	1,500 / 4.237	12,330 / 25.894	21,876 / 86.216	
<i>Subtotal: Installation</i>	1,543 / 2.300	196 / 4.736	1,276 / 3.934	504 / 7.818	- / -	504 / 7.818	1,591 / 16.482	1,589 / 13.141	1,347 / 7.674	1,500 / 4.237	12,330 / 25.894	21,876 / 86.216	
Total													
Total Cost (Procurement + Support + Installation)	28.521	27.382	16.754	16.613	-	16.613	30.379	26.420	17.884	12.324	191.339	367.616	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 2 / F119 Engine Modifications

Modification Item 1 of 1: Engine Modification Kits

Manufacturer Information

Manufacturer Name: Pratt & Whitney	Manufacturer Location: East Hartford/Tinker AFB
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	234 / 0.708	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	234 / 0.708
FY 2015	- / -	- / -	- / -	275 / 1.303	- / -	275 / 1.303	- / -	- / -	- / -	- / -	- / -	275 / 1.303
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	811 / 4.019	- / -	- / -	- / -	- / -	811 / 4.019
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	531 / 3.225	- / -	- / -	- / -	531 / 3.225
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	445 / 1.381	- / -	- / -	445 / 1.381
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	563 / 1.058	- / -	563 / 1.058
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	189 / 0.397	189 / 0.397
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4,920 / 10.332	4,920 / 10.332
Total	- / -	- / -	234 / 0.708	275 / 1.303	- / -	275 / 1.303	811 / 4.019	531 / 3.225	445 / 1.381	563 / 1.058	5,109 / 10.729	7,968 / 22.423

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	58	58	59	59	68	69	69	69	202	203	203	203	132	133	133	133	111	111	111	112	140	141	141	141	5,109	7,968
Out	0	-	-	-	-	58	58	59	59	68	69	69	69	202	203	203	203	132	133	133	133	111	111	111	112	140	141	141	141	5,109	7,968

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	1,543 / 2.300	196 / 4.736	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,739 / 7.036
FY 2014	- / -	- / -	1,042 / 3.226	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,042 / 3.226

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 2 / F119 Engine Modifications

Modification Item 1 of 1: Engine Modification Kits

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	229 / 6.515	- / -	229 / 6.515	- / -	- / -	- / -	- / -	- / -	229 / 6.515
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	780 / 12.463	- / -	- / -	- / -	- / -	780 / 12.463
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,058 / 9.916	- / -	- / -	- / -	1,058 / 9.916
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	902 / 6.293	- / -	- / -	902 / 6.293
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	937 / 3.179	- / -	937 / 3.179
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	845 / 1.775	845 / 1.775
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6,376 / 13.390	6,376 / 13.390
Total	1,543 / 2.300	196 / 4.736	1,042 / 3.226	229 / 6.515	- / -	229 / 6.515	780 / 12.463	1,058 / 9.916	902 / 6.293	937 / 3.179	7,221 / 15.165	13,908 / 63.793

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1,543	49	49	49	49	260	260	261	261	57	57	57	58	195	195	195	195	264	264	265	265	225	225	226	226	234	234	234	235	7,221	13,908
Out	1,543	49	49	49	49	260	260	261	261	57	57	57	58	195	195	195	195	264	264	265	265	225	225	226	226	234	234	234	235	7,221	13,908

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F02200 / F-22A						Modification Number / Title: 3 / Structures Retrofit Plan		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	189.311	30.738	29.347	21.249	-	21.249	41.237	21.871	2.572	9.770	-	346.095
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	189.311	30.738	29.347	21.249	-	21.249	41.237	21.871	2.572	9.770	-	346.095
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	189.311	30.738	29.347	21.249	-	21.249	41.237	21.871	2.572	9.770	-	346.095

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Structures Retrofit Plan (SRP) is a program designed to retrofit F-22 aircraft with the structural improvements required to reach full life. The number of aircraft on this document is not reflective of the total fleet because some of the aircraft had the kits installed while in production. Kit installation costs are shown for modifications performed at the depot level only. Structures Retrofit Program includes Mission Support Requirements.

Milestone/Development Status

Development complete. RDT&E funding identified is for test aircraft retrofits.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	25.011	29.347	21.249	-	21.249	36.009	13.617	0.889	3.358
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.727	-	-	-	-	5.228	8.254	1.683	6.412
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	30.738	29.347	21.249	-	21.249	41.237	21.871	2.572	9.770

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F02200 / F-22A					Modification Number / Title: 3 / Structures Retrofit Plan			
Models of Systems Affected: F-22				Modification Type: Service Life Extension				Related RDT&E PEs: 0207138F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> Structure Retrofit Plan													
A Kits													
Recurring													
Structure Retrofit Plan:INSTALL KITS Group A (Active)	81 / 40.241	10 / 7.931	21 / 4.168	21 / 3.493	- / -	21 / 3.493	6 / 11.161	- / -	2 / 0.625	- / -	- / -	141 / 67.619	
Structure Retrofit Plan:INSTALL KITS Group A (Guard)	5 / 1.045	- / -	- / -	- / -	- / -	- / -	7 / 5.228	13 / 1.428	- / -	- / -	- / -	25 / 7.701	
<i>Subtotal: Recurring</i>	- / 41.286	- / 7.931	- / 4.168	- / 3.493	- / -	- / 3.493	- / 16.389	- / 1.428	- / 0.625	- / -	- / -	- / 75.320	
<i>Subtotal: Structure Retrofit Plan</i>	- / 41.286	- / 7.931	- / 4.168	- / 3.493	- / -	- / 3.493	- / 16.389	- / 1.428	- / 0.625	- / -	- / -	- / 75.320	
<i>Subtotal: Procurement, All Modification Items</i>	- / 41.286	- / 7.931	- / 4.168	- / 3.493	- / -	- / 3.493	- / 16.389	- / 1.428	- / 0.625	- / -	- / -	- / 75.320	
Support (All Modification Items)													
PMA - Other Gov't Costs	- / 1.479	- / 0.738	- / 0.860	- / 0.685	- / -	- / 0.685	- / 1.136	- / 0.938	- / 0.264	- / -	- / -	- / 6.100	
<i>Subtotal: Support</i>	- / 1.479	- / 0.738	- / 0.860	- / 0.685	- / -	- / 0.685	- / 1.136	- / 0.938	- / 0.264	- / -	- / -	- / 6.100	
Installation													
<i>Modification Item 1 of 1:</i> Structure Retrofit Plan	52 / 146.546	12 / 22.069	21 / 24.319	27 / 17.071	- / -	27 / 17.071	16 / 23.712	20 / 19.505	10 / 1.683	8 / 9.770	- / -	166 / 264.675	
<i>Subtotal: Installation</i>	52 / 146.546	12 / 22.069	21 / 24.319	27 / 17.071	- / -	27 / 17.071	16 / 23.712	20 / 19.505	10 / 1.683	8 / 9.770	- / -	166 / 264.675	
Total													
Total Cost (Procurement + Support + Installation)	189.311	30.738	29.347	21.249	-	21.249	41.237	21.871	2.572	9.770	-	346.095	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 3 / Structures Retrofit Plan

Modification Item 1 of 1: Structure Retrofit Plan

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Palmdale/Hill AFB
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 0

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

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 146.546	12 / 22.069	21 / 24.319	1 / 0.632	- / -	1 / 0.632	- / -	- / -	- / -	- / -	- / -	86 / 193.566
FY 2014	- / -	- / -	- / -	10 / 6.320	- / -	10 / 6.320	- / -	- / -	- / -	- / -	- / -	10 / 6.320
FY 2015	- / -	- / -	- / -	16 / 10.119	- / -	16 / 10.119	5 / 7.410	- / -	- / -	- / -	- / -	21 / 17.529
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	11 / 16.302	10 / 9.753	- / -	- / -	- / -	21 / 26.055
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 9.752	- / -	3 / 2.015	- / -	13 / 11.767
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.683	3 / 6.412	- / -	13 / 8.095
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.343	- / -	2 / 1.343
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	52 / 146.546	12 / 22.069	21 / 24.319	27 / 17.071	- / -	27 / 17.071	16 / 23.712	20 / 19.505	10 / 1.683	8 / 9.770	- / -	166 / 264.675

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	3	3	3	5	5	5	6	6	7	7	7	4	4	4	4	5	5	5	5	2	2	3	3	2	2	2	2	-	166
Out	45	7	3	3	3	3	5	5	5	6	6	7	7	7	4	4	4	4	5	5	5	5	2	2	3	3	2	2	2	2	166

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: F03500 / F-35 Modifications
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207142F	Other Related Program Elements: 0604800F
---	--	---

Line Item MDAP/MAIS Code: 198	Item MDAP/MAIS Code(s):
--------------------------------------	--------------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	85.325	123.916	187.646	70.167	-	70.167	310.237	294.229	260.071	259.791	-	1,591.382
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	85.325	123.916	187.646	70.167	-	70.167	310.237	294.229	260.071	259.791	-	1,591.382
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	85.325	123.916	187.646	70.167	-	70.167	310.237	294.229	260.071	259.791	-	1,591.382

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

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

Description:

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 Air Force F-35A Conventional Takeoff and Landing (CTOL) 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 CTOL 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 F-35A CTOL 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 Air Force F-35A CTOL aircraft to include post DD-250 concurrency retrofits, block upgrades for F-35A CTOLs, and upgrading hardware and software components to a full Block 3F configuration. The focus of the modification funding requested in the 2016 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.

Funding for this exhibit contained in PE 0207142F.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F03500 / F-35 Modifications

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207142F **Other Related Program Elements:** 0604800F

Line Item MDAP/MAIS Code: 198 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Block 2B OT Upgrade (Capability Improvement)	P-40a***		- / 11.093	- / -	- / 0.861	- / -	- / -	- / -
2 / Block 3F LRIP 6-8 Upgrade (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
1 / Block 3i LRIP 2-5 Upgrade (Capability Improvement)	P-3a		- / -	- / 63.420	- / 81.695	- / 44.797	- / -	- / 44.797
2 / Block 3F LRIP 2-5 Upgrade (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 6.990	- / -	- / 6.990
3 / Concurrency (Other)	P-3a		- / 74.232	- / 60.496	- / 105.090	- / 18.380	- / -	- / 18.380
Total Gross/Weapon System Cost			- / 85.325	- / 123.916	- / 187.646	- / 70.167	- / -	- / 70.167

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Block 2B OT Upgrade (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 11.954
2 / Block 3F LRIP 6-8 Upgrade (Capability Improvement)	P-40a***		- / -	- / 2.856	- / -	- / -	- / -	- / 2.856
1 / Block 3i LRIP 2-5 Upgrade (Capability Improvement)	P-3a		- / 75.523	- / 2.117	- / 2.971	- / -	- / -	- / 270.523
2 / Block 3F LRIP 2-5 Upgrade (Capability Improvement)	P-3a		- / 0.306	- / 2.040	- / 0.255	- / -	- / -	- / 9.591
3 / Concurrency (Other)	P-3a		- / 234.408	- / 287.216	- / 256.845	- / 259.791	- / -	- / 1,296.458
Total Gross/Weapon System Cost			- / 310.237	- / 294.229	- / 260.071	- / 259.791	- / -	- / 1,591.382

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F03500 / F-35 Modifications				Modification Number / Title: 1 / Block 3i LRIP 2-5 Upgrade				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	63.420	81.695	44.797	-	44.797	75.523	2.117	2.971	-	-	270.523
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	63.420	81.695	44.797	-	44.797	75.523	2.117	2.971	-	-	270.523
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	63.420	81.695	44.797	-	44.797	75.523	2.117	2.971	-	-	270.523

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The block upgrade program retrofits United States Air Force F-35A Conventional Takeoff and Landing (CTOL) 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 (MN-F3513) 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 upgraded hardware required for the Block 3i configuration. The long-lead parts include new radar modules, new Integrated Core Processor (ICP) modules and rack, and new Electronic Warfare (EW) modules. Changes will be tested and approved prior to installation in the F-35 aircraft. Non-recurring engineering (NRE) is being performed using RDT&E, AF funds, and will be complete in FY14.

Milestone/Development Status

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3i fleet release is planned to occur by 3rd Qtr FY15. Modification kits will be procured based on flight test results.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F03500 / F-35 Modifications					Modification Number / Title: 1 / Block 3i LRIP 2-5 Upgrade			
Models of Systems Affected: F-35A				Modification Type: Capability Improvement				Related RDT&E PEs: 0604800F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> Block 3i													
B Kits													
Recurring													
Block 3i:EQUIPMENT Group B (Active)	- / -	11 / 43.861	13 / 61.143	9 / 44.797	- / -	9 / 44.797	12 / 56.042	- / -	- / -	- / -	- / -	45 / 205.843	
<i>Subtotal: Recurring</i>	- / -	- / 43.861	- / 61.143	- / 44.797	- / -	- / 44.797	- / 56.042	- / -	- / -	- / -	- / -	- / 205.843	
<i>Subtotal: Block 3i</i>	- / -	- / 43.861	- / 61.143	- / 44.797	- / -	- / 44.797	- / 56.042	- / -	- / -	- / -	- / -	- / 205.843	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 43.861	- / 61.143	- / 44.797	- / -	- / 44.797	- / 56.042	- / -	- / -	- / -	- / -	- / 205.843	
Support (All Modification Items)													
SIM/TRAINER	- / -	- / 6.396	- / 6.588	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.984	
Mod of Spares	- / -	- / 13.163	- / 13.964	- / -	- / -	- / -	- / 14.383	- / -	- / -	- / -	- / -	- / 41.510	
<i>Subtotal: Support</i>	- / -	- / 19.559	- / 20.552	- / -	- / -	- / -	- / 14.383	- / -	- / -	- / -	- / -	- / 54.494	
Installation													
<i>Modification Item 1 of 1:</i> Block 3i	- / -	- / -	- / -	- / -	- / -	- / -	24 / 5.098	9 / 2.117	12 / 2.971	- / -	- / -	45 / 10.186	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	24 / 5.098	9 / 2.117	12 / 2.971	- / -	- / -	45 / 10.186	
Total													
Total Cost (Procurement + Support + Installation)	-	63.420	81.695	44.797	-	44.797	75.523	2.117	2.971	-	-	270.523	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 1 / Block 3i LRIP 2-5 Upgrade

Modification Item 1 of 1: Block 3i

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 20

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	11 / 2.129	- / -	- / -	- / -	- / -	11 / 2.129
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	13 / 2.969	- / -	- / -	- / -	- / -	13 / 2.969
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.117	- / -	- / -	- / -	9 / 2.117
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 2.971	- / -	- / -	12 / 2.971
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	24 / 5.098	9 / 2.117	12 / 2.971	- / -	- / -	45 / 10.186

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	6	5	7	6	2	2	2	3	3	3	3	3	-	-	-	-	-	45
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	6	5	7	6	2	2	2	3	3	3	3	3	-	-	-	-	-	45

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F03500 / F-35 Modifications				Modification Number / Title: 2 / Block 3F LRIP 2-5 Upgrade				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	6.990	-	6.990	0.306	2.040	0.255	-	-	9.591
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	6.990	-	6.990	0.306	2.040	0.255	-	-	9.591
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	6.990	-	6.990	0.306	2.040	0.255	-	-	9.591
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The block upgrade program retrofits United States Air Force F-35A Conventional Takeoff and Landing (CTOL) 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 (MN-F3514) focuses on the Block 3F configuration upgrade effort for 45 LRIP 2-5 CTOL aircraft and integrated systems. Ten CTOL aircraft will be upgraded to Block 3F Fleet Release in two phases: first phase will install Block 3F software, which will be followed by hardware modifications in the upgrade second phase. Purchases all necessary software and installation labor to ensure all LRIP 2-5 CTOL aircraft are upgraded to a Block 3F baseline for full warfighting capability. Changes will be tested and approved prior to installation in the F-35 aircraft. Non-recurring engineering (NRE) is being performed using RDT&E, AF funds, and will be complete in FY15.

Milestone/Development Status

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3F fleet release is planned to occur by 4th Qtr FY17. Modification kits will be procured based on flight test results.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F03500 / F-35 Modifications					Modification Number / Title: 2 / Block 3F LRIP 2-5 Upgrade			
Models of Systems Affected: F-35A				Modification Type: Capability Improvement				Related RDT&E PEs: 0604800F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> Block 3F													
B Kits													
Recurring													
Block 3F:EQUIPMENT Group B (Active)	- / -	- / -	- / -	4 / 0.004	- / -	4 / 0.004	6 / 0.006	40 / 0.040	5 / 0.005	- / -	- / -	55 / 0.055	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.004	- / -	- / 0.004	- / 0.006	- / 0.040	- / 0.005	- / -	- / -	- / 0.055	
<i>Subtotal: Block 3F</i>	- / -	- / -	- / -	- / 0.004	- / -	- / 0.004	- / 0.006	- / 0.040	- / 0.005	- / -	- / -	- / 0.055	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 0.004	- / -	- / 0.004	- / 0.006	- / 0.040	- / 0.005	- / -	- / -	- / 0.055	
Support (All Modification Items)													
SIM/TRAINER	- / -	- / -	- / -	4 / 6.786	- / -	4 / 6.786	- / -	- / -	- / -	- / -	- / -	4 / 6.786	
<i>Subtotal: Support</i>	- / -	- / -	- / -	4 / 6.786	- / -	4 / 6.786	- / -	- / -	- / -	- / -	- / -	4 / 6.786	
Installation													
<i>Modification Item 1 of 1:</i> Block 3F	- / -	- / -	- / -	4 / 0.200	- / -	4 / 0.200	6 / 0.300	40 / 2.000	5 / 0.250	- / -	- / -	55 / 2.750	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	4 / 0.200	- / -	4 / 0.200	6 / 0.300	40 / 2.000	5 / 0.250	- / -	- / -	55 / 2.750	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	6.990	-	6.990	0.306	2.040	0.255	-	-	9.591	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 2 / Block 3F LRIP 2-5 Upgrade

Modification Item 1 of 1: Block 3F

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth
Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 3

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Jan 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 Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	4 / 0.200	- / -	4 / 0.200	- / -	- / -	- / -	- / -	- / -	4 / 0.200
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.300	- / -	- / -	- / -	- / -	6 / 0.300
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 2.000	- / -	- / -	- / -	40 / 2.000
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.250	- / -	- / -	5 / 0.250
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	4 / 0.200	- / -	4 / 0.200	6 / 0.300	40 / 2.000	5 / 0.250	- / -	- / -	55 / 2.750

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
In	0	-	-	-	-	-	-	-	-	-	-	-	4	-	-	6	-	-	-	13	14	13	-	5	-	-	-	-	-	-	-	-	-	55
Out	0	-	-	-	-	-	-	-	-	-	-	-	4	-	-	6	-	-	-	13	14	13	-	5	-	-	-	-	-	-	-	-	-	55

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 3 / Concurrency
---	---	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	74.232	60.496	105.090	18.380	-	18.380	234.408	287.216	256.845	259.791	-	1,296.458
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	74.232	60.496	105.090	18.380	-	18.380	234.408	287.216	256.845	259.791	-	1,296.458
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	74.232	60.496	105.090	18.380	-	18.380	234.408	287.216	256.845	259.791	-	1,296.458

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This effort (MN-F3516) 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 soon as they become supportable from an engineering, production, and installation standpoint. The list is vetted by the Services and Partners every 6 months to ensure the list accurately reflects existing requirements as well as emerging issues. Per-kit costs will vary for each modification being implemented, and in some cases will also vary for aircraft from different LRIP lots to implement an individual modification. For FY16, the highest priority modifications will directly support USAF IOC, Block 3i, and tactics development. The following modifications will be the highest priorities for accomplishment throughout the F-35A CTOL fleet using funds from this Budget Activity.

- | TI Number | Mod CR | Title |
|--------------|-------------|---|
| TI-0000-1089 | CR-021694 | LRIP 3 Aux Air Inlet (AAI) Door Install |
| TI-0000-1324 | CR-022656 | Structural Cracking of Aft MLG Door Drive Link U-Joint |
| TI-0000-0116 | CR-011738B | Full Qualified Clutch Cooling Fan |
| TI-0000-0367 | CR-014114C | Engine Trailer Adapter Kit - FS556 Interface, J27006/J27007 |
| TI-0000-0121 | CR-014289B | Lift Fan Exhaust/Inboard Weapon Bay Door Interference |
| TI-0000-0396 | CR-014289C | WBDD Limit Life, ECU |
| TI-0000-0655 | CR-014819D | EO DAS Center Fuselage Vibration Testing |
| TI-0000-0373 | CR-015026B | Aux Air Inlet Lock Actuation Mechanism |
| TI-0000-0423 | CR-016270C | Bleed Air System Ducting Design |
| TI-0000-0099 | CR-017502 | J75503 Wrap Around Adapter Set |
| TI-0000-0683 | CR-017534&B | Rev-HT Bearing Issues |
| TI-0000-0463 | CR-017913B | Support-Fairing, Mid, LH/RH |
| TI-0000-0058 | CR-018274 | Back-Up Radio Tray Clearance |
| TI-0000-0968 | CR-018524 | Material Removal Allowance for IPP Blocker and Screen |
| TI-0000-0027 | CR-018524A | IPP Exhaust (STOVL) |
| TI-0000-0138 | CR-018564B | Wingtip Light Improvement For FAA Compliance |
| TI-0000-0825 | CR-022768D | LEF Improvements |
| TI-0000-0031 | CR-018835 | Nose Wheel Steering (NWS) Motor |
| TI-0000-0015 | CR-018836 | Stress Failure of Hydraulic Tube Support Bracket |
| TI-0000-0063 | CR-018838A | Bootstrap Accumulator Redesign |

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 3 / Concurrency
TI-0000-0045 CR-019003 CTOL/STOVL MLG SDD & LRIP Part Number Rolls TI-0000-0056 CR-019004B IPP Controller Part Number Roll TI-0000-0057 CR-019005 STOVL GO3 Control Valve Part Number Roll TI-0000-0117 CR-019107 CTOL Trestle Inst Cotter Pin TI-0000-0165 CR-019135B R3 Float Valve with Mechanical Thread Locking TI-0000-0231 CR-019340B PTMS EHA Cooling Orifices - CTOL & STOVL TI-0000-0101 CR-023102A Lift Fan Inlet Door Full Qualification Part Number Roll TI-0000-0245 CR-019469C Antenna Switch Unit TI-0000-0264 CR-019516A PTMS Controller TI-0000-0124 CR-019533 Controller, Motor Pump Qual Failure (GMMP) TI-0000-0561 CR-019683E STOVL FS 496 Bulkhead Trunnion TI-0000-0280 CR-019841 Cockpit Panels Pushbutton Switch Simultaneity TI-0000-0398 CR-019930C Arresting Hook Aft Door Spring Damper Part Number Roll TI-0000-0375 CR-019979 STOVL IRCM Doors Bushing to Lug Interference TI-0000-0208 CR-020003A CTOL Arresting Gear Push Rods TI-0000-0424 CR-020066A Firewall Shutoff Valve Part Number Roll TI-0000-0477 CR-020097A CTOL EHAS Panels TI-0000-0875 CR-020189 CV Main Landing Gear Retract Actuator TI-0000-0130 CR-020289 Emergency Control Valve Qual Failure TI-0000-0575 CR-020289A ULF & 3BSD Emergency Control Valve TI-0000-0608 CR-020396D Fwd Upper Engine Mount (CTOL) TI-0000-0456 CR-020396D Bulkhead - FS 450 TI-0000-0457 CR-020396D Bulkhead - FS 472 TI-0000-0458 CR-020396D Bulkhead - FS 518 (Upper) TI-0000-0460 CR-020396D Bulkhead - FS 556 TI-0000-0432 CR-020397A Short Life - CTOL Wing Forward Root Rib TI-0000-0602 CR-020398A Brake Control Unit (BCU) TI-0000-0538 CR-020593 EHA Flaperon Support Equipment Locations TI-0000-0363 CR-020636A TRS Component Changes from Qual Test Failures TI-0000-0412 CR-020680B Wing Lighting Controller Salt Fog Failure TI-0000-0331 CR-020725 WBDDS RGAs Limited Life - Change Request Approval TI-0000-0654 CR-020726A IDMS Connector Ref Des Swap TI-0000-0673 CR-020743B Ordnance Quick Latch System (OQLS) Clip Lock TI-0000-0137 CR-020793 Pump, Motor GND Maint Qual Failure TI-0000-0132 CR-020907B Valve, Mechanical Sequence - T Qual Failure TI-0000-0811 CR-021167A 2WSH54239: CV Rear Spar TI-0000-0810 CR-021168 2WSH64241: CV Frame TI-0000-0817 CR-021170 2WSH44162: CV RH Tail Hook Longeron TI-0000-0631 CR-021180 Countermeasures Doors & NNMSB/WSESRB Concerns TI-0000-0263 CR-021181 Power Panel 1, 2, 3 TI-0000-0544 CR-021194 Limited Life STOVL Mid Fairing Longeron TI-0000-0558 CR-021194 Short Life Parts: Keel Beam RH TI-0000-0559 CR-021194 Short Life Parts: NLG Drag Brace Ftg TI-0000-0566 CR-021194 Short Life Parts: Support, Otbd, FS 502.65 LH/RH TI-0000-0617 CR-021194 Limited Life STOVL STA 3/9 Aft Rib TI-0000-0545 CR-021217 Limited Life STOVL Nacelle Vent Inlet		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	Modification Number / Title:
3010F / 05 / 2	F03500 / F-35 Modifications	3 / Concurrency
TI-0000-0564 CR-021217 STOVL Forward Root Rib (L6/U6) TI-0000-0808 CR-021259 Weapons Bay Door Uplock Sealing TI-0000-0098 CR-022768D CTOL Nose Landing Gear TI-0000-0910 CR-021395A PCD EU Cooling Rework TI-0000-0607 CR-021434 Limited Life CTOL STA 3/9 Aft Rib TI-0000-0135 CR-021459B Engine Driven Pump Life Limit TI-0000-0895 CR-021557A Arm Disable Current Leakage Path Correction TI-0000-0848 CR-021621 2CSH20930 Splice, Fuel Floor/Root Rib, FS 402, RHS/LHS TI-0000-0377 CR-021694 Aux Air Inlet Door Redesign TI-0000-0845 CR-021891 CV VT Aft Moment Fitting Life Limited Structures Part TI-0000-0626 CR-021905A SMSFRIU SDD/LRIP Arm Disable Input TI-0000-0998 CR-021915B CTOL and CV Refuel System Mod TI-0000-0897 CR-022058 Roll Control Nozzle Door Redesign TI-0000-0495 CR-022105F OBIGGS & Pressure/Vent Changes for Lightning Protection TI-0000-0133 CR-022196A Filter Module, Pressure Qual Failure TI-0000-1011 CR-022226A L-Band Pre-Selector (LBPS) Calibration for Mode 5 TI-0000-0802 CR-022695 CTOL Main Landing Gear TI-0000-0703 CR-022515A Roll Post Door Actuator Life Limitation TI-0000-1101 CR-022647A GMMP Controller EEE outage TI-0000-1092 CR-022666 Landing Taxi Light Redesign TI-0000-0119 CR-022736 MWARS Replacement TI-0000-0866 TBD Production Ejection Seat (-0023) TI-0000-1099 CR-022841B ATQA Mounting Bolt Interface TI-0000-0064 CR-022872 Counter Measures Door Control Valve on AF:6 TI-0000-0158 CR-022877 WBDD Flexible Cable Re-design TI-0000-0191 CR-024623 270V BCCU TI-0000-0574 CR-023121B/D Electronics Units Modifications TI-0000-1485 CR-023282CA F1 Feed Tank Gasket TI-0000-1540 CR-023332A CV Rudder Hinge 2 TI-0000-1372 CR-023355D EW Block-2 DRFM Module Firmware Issue TI-0000-1652 CR-023599 Rudder Slider Hinge Wear TI-0000-1654 CR-023712 CV Right Hand (RH) Center Fuselage Avionics Bay Floor TI-0000-2548 CR-023712 CV Center Fuselage FS 402 Outboard Joint Limited Life TI-0000-2551 CR-024031 L-Band Power Amplifier (LBPA) Update for LINK-16 TI-0000-1709 CR-024114 Carrier Variant Marker Beacon Antenna TI-0000-2513 CR-024153 CV IPP Shear Web Limited Life TI-0000-1207 CR-024162 Vehicle Management Computer (VMC) Electrical Connection Issue TI-0000-0441 CR-20773A CTOL FS 594 Centre Arch Low Life TI-0000-1549 CR-023540A Firmware Update for AMS Cartridge Reset SPAR TI-0000-0405 CR-23769 EDU Random Vibration Failures TI-0000-0702 CR-24090 CV Fwd Arresting Gear Door Actuator Life Limitation TI-0000-2554 CR-24872 J84001 Fiber Optic Inspection Set Extension Handle DR?s TI-0000-0122 TBD 28V Battery and Charger Changes TI-0000-0129 TBD MLG Control Valve Part Number Roll TI-0000-0709 CR-022768D HT EHA Block Change for LRIP 4 TI-0000-0282 TBD Update to Audio Control Electronics (ACE) Unit		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	Modification Number / Title:
3010F / 05 / 2	F03500 / F-35 Modifications	3 / Concurrency
TI-0000-0469	TBD Composite BOS 2ZCH42000-0002 Assemblies	
TI-0000-0583	TBD CTOL/STOVL Rudder EHA Design Change	
TI-0000-0906	TBD NLG Lug Inspection and Support Stiffener	
TI-0000-1097	CR-022972 Ball Joint Salt Fog Failure	
TI-0000-0913	TBD LEFAS PDU Resolver and Rotor Shaft Seal Life	
TI-0000-1113	CR-024000 AESG Power Connector Rating (Generator)	
TI-0000-1256	TBD CV Nose Landing Gear Drag Brace Door Cracking	
TI-0000-1396	TBD HTCA with End Gland Material Issue	
TI-0000-0336	CR-024982 Panoramic Cockpit Display (PCD) Major Variances - DU	
TI-0000-0343	CR-024982 Panoramic Cockpit Display (PCD) Major Variances - EU	
TI-0000-0480	CR-025000 ICC Qual Issues	
TI-0000-2784	TBD CNI 3A & 3B Integrated Backplane Assembly (IBA) Upgrades	
TI-0000-0221	TBD DAS Refuel Lights Lenses	
TI-0000-0406	CR-025271 Ordnance Hoist System (OHS) Hoist	
TI-0000-1102	CR-022481B BH-1 Weapons Bay Doors	
TI-0000-1472	TBD Gun Port Door Threads in Bearing Issue	
TI-0000-0329	CR-021982 Refueling Bay and Nozzle Clash LRIP 1-3 Modification	
TI-0000-0781	CR-023432 3BSM NBD - Assembly Changes	
TI-0000-1446	TBD CV Fuel Dump	
TI-0000-0908	CR-023802 STOVL Fuel Dump (CCDD LRIP2-051)	
TI-0000-1000	CR-022481 Inboard Weapon Bay Door Flipper Door Design Change	
TI-0000-1060	CR-022121 Final Finishes	
TI-0000-1078	CR-025006 AF1 Nacelle Insulation	
TI-0000-0180	TBD CTOL Fuel Floor Tooling Holes - Bay 207 to Gun Bay	
TI-0000-0787	CR-024068 HMDS Path Forward	
TI-0000-1048	CR-023982 Panoramic Cockpit Display-Electronic Unit (PCD-EU)	
TI-0000-1062	TBD CV Main Landing Gear	
TI-0000-1063	TBD CV Nose Landing Gear	
TI-0000-0284	TBD STOVL Canopy frame	
TI-0000-0316	TBD CTOL FS 496 Bulkhead Trunnion	
TI-0000-0321	TBD Lift Fan Exhaust Door Aft Uplock Hook Failure	
TI-0000-0467	TBD Fuel Floor - FS496-556, LH	
TI-0000-0468	TBD Fuel Floor - FS496-556, RH	
TI-0000-0486	TBD Short Life - STOVL Inner Wing FS518 Lower Bulkhead	
TI-0000-0543	TBD Path Forward for Outboard Rib at Station 2 and 10	
TI-0000-0556	TBD STOVL Short Life Parts: Aft Mid Keel	
TI-0000-0638	TBD STOVL BL 0.0 Web Fwd Upper Engine Mount Support	
TI-0000-0813	TBD CV Life Limited Structures Part - LH/RH Pylon Sta 3 Aft Rib	
TI-0000-0815	TBD 2WSH24212 CV FWD Upper Engine Mount	
TI-0000-0816	TBD 2WSH34496 - CV FS 496 Blkhd Station 6	
TI-0000-1440	TBD STOVL Thrust Mount Shear Webs	
TI-0000-0723	TBD EOTS PBS Startup Timeline	
TI-0000-0055	CR-019070 IPP Bay Vent Fan Electrical Bond	
TI-0000-0281	CR-020226 Hoist Point Cover FIP Proposal	
TI-0000-1023	CR-022936 Roll Nozzle and Duct Bay - BALD Sensors redesign	
TI-0000-0193	CR-021921B EW Gain State Control Logic Error	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 3 / Concurrency
TI-0000-1365 CR-022721A Cat Launch Shock Exceeds INS PBS TI-0000-0448 TBD Add -0007 ASSCA/-0006 ATQA To Aircraft TVE TI-0000-0842 TBD 2ESH10095 CV HT Rib 5 Life Limited Structures Part TI-0000-0976 TBD BF6 and BF8 RCS ATP TI-0000-0819 TBD Liquid Cooling System Cart - Facility AC Power Interface TI-0000-1134 TBD Cabin Pressure Tester TI-0000-1198 TBD HT Heating TI-0000-0361 CR-023382 Vertical Tail 575 Fitting TI-0000-0386 CR-025191 Fuel System Major Variance for LRIP 1-Signal Amplifier TI-0000-0516 CR-022972 AAR Probe Weak Link Adaptor Re-design TI-0000-0576 CR-020289A Refuel Probe/Tailhook Emergency Control Valve TI-0000-0578 CR-020289A Aux Inlet Door Emergency Control Valve TI-0000-1082 TBD Power Panel 1 & 2 Random Vibration Failures TI-0000-1203 CR-021217 Life Limited 402 Frame TI-0000-1289 CR022737 US16E Ejection Seat/MWARS Retrofit Configuration Proposal TI-0000-1421 TBD STOVL Main Landing Gear TI-0000-1422 CR-021388A STOVL Nose Landing Gear TI-0000-1483 TBD Power Panel 3 Random Vibration Failures - Second Failure TI-0000-1486 CR-023838 STOVL FS 503 Frame/IPP Shear Web Durability Test Failure TI-0000-1515 CR-024000 ESG Service Life (Generator) -0003 TI-0000-1551 TBD 28V Battery Full Qualification TI-0000-1589 CR-023300 Hydraulic System Single Point Failure TI-0000-1786 CR-023729 FS-402 Frame (TIN-075) TI-0000-1857 TBD 2GHH42033 Time Delay Valve - Fully Qualified Part TI-0000-2467 CR-025204 CTOL FS 503 Frame Limited Life TI-0000-2468 CR-025204 CTOL IPP Shear Web Limited Life Discovery TI-0000-2641 CR-024341 STOVL - Short Shank Condition, Engine Access Panel TI-0000-2674 CR-24794 Cracking of Bifurcation Seam Treatment TI-0000-2892 CR-025079 BF5 IRCM Hinge to Drive Link Clash TI-0000-1552 TBD 28V BCCU Lightning Compliance TI-0000-2682 TBD AR Probe Light TI-0000-0884 CR-024000 AESG - Material & Workmanship TI-0000-1142 TBD Missionized Gun System Jumper Panel Hoses and Drain Seal TI-0000-1796 CR-025271 Ordnance Hoist System (OHS) Motor TI-0000-2506 TBD Gun Port Blast Mislocation TI-0000-2546 TBD Weapon bay light departing aircraft during flight TI-0000-2833 TBD Gun System Muzzle and Purge Door Time Out TI-0000-0387 CR-016910 Fuel System Major Variance for LRIP 1 - Dive Rate Performance TI-0000-1161 CR-22656 STOVL Aft MLG Door Cracking TI-0000-1518 CR-024193 PAO Cooling Orifices In Center Fuselage Cold Liquid Loop TI-0000-1783 TBD Canopy Boot Cracking TI-0000-2633 CR-024265 Flaperon Blade Seal Buckling TI-0000-2672 TBD Radome Shroud Gapping/Trimming TI-0000-2909 CR-025167 IPP Bay High Flow Air Duct Separation TI-0000-2931 TBD CV NLG Drag Brace Cylinder and Steering Motor TI-0000-0236 CR-019412 FPS Fire and Bleed Leak Controller (FBLC) Redesign		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	Modification Number / Title:
3010F / 05 / 2	F03500 / F-35 Modifications	3 / Concurrency
TI-0000-0260 CR-016633C Canopy Actuation System TI-0000-0738 CR-025142 Modified Fuel Dump Valve (T28a) TI-0000-0772 TBD PTMS Turbomachine/ACCM Cable Interface Changes TI-0000-0327 TBD STOVL High Sea State Fuel Stowage - Rev B to CR-016712A TI-0000-0737 TBD IPP Purge Issue Due to Low Fuel Shutdown TI-0000-1650 CR-022737 MWARS for Production Seat TI-0000-1653 CR-23490 Ground Maintenance Valve Deletion to Prevent PAO in Cockpit(DR 1-4815699) TI-0000-2416 TBD CV Drag Strut - Alt Gear Extension TI-0000-2450 CR-023901 Bleed Air Sensor Fitting Galling TI-0000-2635 TBD CV NLG Interference Problems - OBOGs routing TI-0000-2725 CR-024162 Vehicle Management Computer (VMC) TI-0000-2834 CR-024904 Boarding Ladder Cracks TI-0000-2889 TBD WBDDS Supplier Disclosure on Lower Breakaway Torque TI-0000-0771 CR-16464B Install Battery into CNI Rack 3A and 3B TI-0000-0945 TBD CTOL Audio Control Electronics (ACE) In-Flight Refueling TI-0000-1056 CR-016660C RADAR 1A & 1B Racks -0002 Cut-in TI-0000-2818 CR-025046 EOTS LoS Pointing Angle TI-0000-1093 CR-023616 CV Arresting Gear TI-0000-0358 TBD Production Ejection Seat (-0021) TI-0000-0514 TBD Lift Fan Inlet Maintenance Fix TI-0000-0579 TBD Auto Pilot TI-0000-1520 TBD CV Nose Landing Gear Aircraft Integration TI-0000-1761 TBD HT EHA Solenoid Valve (SOV) Qual Test Failure TI-9999-0655 TBD EO DAS Center Fuselage Vibration Testing TI-0000-0730 TBD CV Rudder EHA TI-0000-0833 CR-021053 Short Shank Condition on Engine Inspection Panels TI-0000-1122 TBD LEFAS Foldbox Lug Cracking TI-0000-1192 TBD CTOL Thrust Mount Shear Web TI-0000-1494 TBD PTMS Turbomachine Configuration to Correct Qualification Failures TI-0000-1499 TBD FS 472 Bulkhead Crack BH-1 TI-0000-1541 TBD CV HT LOWER SKIN BOLTS SD-2013-010 TI-0000-1649 TBD CV LEFAS Asymmetry Brake Lug Cracking TI-0000-1655 CR-024025 STOVL Right Hand(RH)and Left Hand(LH)Rear Spar Lower Flange Fatigue Cracks TI-0000-2423 TBD CV Lower FS 518 Design Change TI-0000-2448 CR-023966A CV Thrust Mount Shear Web - Service Life TI-0000-2670 TBD Durability Findings 2013 - Bulkhead FS 496 TI-0000-2813 TBD Durability Findings - FS 450, 472, 556, 518 Lower and IRCM Fitting TI-0000-2814 TBD Durability Findings 2013 - FS 575 Center Arch Frame TI-0000-1104 TBD CTOL Ventilation Leakage from Bay 207L TI-0000-0992 CR-013553 Outboard Vertical Tail Seal Redesign TI-0000-0904 CR-021759 Backup Radio Guide Pin Misalignment TI-0000-1053 CR-022138 Fire Suppression Bottle Low Clearance TI-0000-2675 TBD Roll Nozzle Bay - BALD Sensors - Supplier Disclosure TI-0000-2921 CR-025116 Gun Vent Door Unpainted Brackets TI-0000-0485 TBD J12003 Ejection Seat Stand Design Issues TI-0000-0660 TBD J26007 LF Driveshaft		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 3 / Concurrency
<p>TI-0000-0799 TBD Canopy Sling TI-0000-1337 TBD DR 1-2076141 Tool Boxes not within weight standards TI-0000-1338 TBD DR 1-2565051 Tool Set Shipboard FOD Hazard TI-0000-1629 TBD Deployable Mission Rehearsal Trainer #1 TI-0000-1658 TBD Changes to Support Turning on AMC's Algorithms in ALIS TI-0000-2440 TBD J26035 Adapter, Drive Shaft Compression Galling issue TI-0000-2699 CR-023093C Fibre Channel Switch Design Issues -0005 TI-0000-2797 TBD SE Weight Label and Forklift Provisions TI-0000-2954 TBD STOVL NLG EEE Failure TI-0000-1408 TBD AEL, Aft Sector TI-0000-2865 TBD TR2 - SP-SPIO Issue TI-7777-0004 CR-013644D MLG Strut Redesign TI-7777-0007 CR-015718A OBOGS Plenum HEPA Filter Provisioning TI-7777-0010 CR-016660B Radar Harness Redesign TI-7777-0024 CR-018697 Gun Gas Purge & Gun Port Door Actuators TI-7777-0031 CR-018544 Brake Control Electronic Unit Update TI-7777-0042 CR-018487A Return Fuel Cooler HX Coating TI-7777-0057 CR-018378 Nacelle Fan - Full Qualified Configuration TI-7777-0077 CR-009382B Small Diameter Bomb (SDB) Rack Strut TI-7777-0081 CR-014768E 270V BCCU Change TI-7777-0083 TBD EHAS/LEFAS -0011 EU & Rack Config Update TI-7777-0084 CR-016708A ACCM Filter Pin TI-7777-0085 CR-016758A Replacement of Door Actuator Lock Assemblies TI-7777-0087 CR-016909A Flaperon EHA Pump Design Change TI-7777-0089 CR-017095 Avionics Bay Environmental Seal Change TI-7777-0093 CR-017505 Flow Sensor EMI/Vibration TI-7777-0095 CR-017773 Manual Drive Unit TI-7777-0097 CR-017937A IEU Lightning Compliance TI-7777-0098 TBD CTOL Structure Redesign for Updated Gun Loads TI-7777-0101 CR-15956A NLG Down Lock Actuator TI-7777-0102 CR-016633C Canopy Actuation System TI-7777-0106 CR-016912 WBD Fwd Uplock Roller Bracket</p> <p>Milestone/Development Status</p> <p>DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES For the F-35 program, the discovery of new concurrency changes phases out with the completion of SDD.</p>		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F03500 / F-35 Modifications					Modification Number / Title: 3 / Concurrency			
Models of Systems Affected: F-35A				Modification Type: Other				Related RDT&E PEs: 0604800F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Concurrency</i>													
A Kits													
Recurring													
Concurrency:INSTALL KITS Group A (Active)	- / 74.232	- / 60.496	- / 101.290	- / 12.730	- / -	- / 12.730	- / 226.033	- / 276.906	- / 248.625	- / 250.078	- / -	- / 1,250.390	
<i>Subtotal: Recurring</i>	- / 74.232	- / 60.496	- / 101.290	- / 12.730	- / -	- / 12.730	- / 226.033	- / 276.906	- / 248.625	- / 250.078	- / -	- / 1,250.390	
<i>Subtotal: Concurrency</i>	- / 74.232	- / 60.496	- / 101.290	- / 12.730	- / -	- / 12.730	- / 226.033	- / 276.906	- / 248.625	- / 250.078	- / -	- / 1,250.390	
<i>Subtotal: Procurement, All Modification Items</i>	- / 74.232	- / 60.496	- / 101.290	- / 12.730	- / -	- / 12.730	- / 226.033	- / 276.906	- / 248.625	- / 250.078	- / -	- / 1,250.390	
Support (All Modification Items)													
ICS-Labor	- / -	- / -	- / 3.500	- / 5.250	- / -	- / 5.250	- / 17.875	- / 9.810	- / 17.720	- / 9.213	- / -	- / 43.368	
OTHER GOVT	- / -	- / -	- / 0.300	- / 0.400	- / -	- / 0.400	- / 0.500	- / 0.500	- / 0.500	- / 0.500	- / -	- / 12.700	
<i>Subtotal: Support</i>	- / -	- / -	- / 3.800	- / 5.650	- / -	- / 5.650	- / 18.375	- / 10.310	- / 8.220	- / 9.713	- / -	- / 46.068	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	74.232	60.496	105.090	18.380	-	18.380	234.408	287.216	256.845	259.791	-	1,296.458	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 3 / Concurrency
---	---	--

Modification Item 1 of 1: Concurrency

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth
------------------------------------	-----------------------------------

Administrative Leadtime (<i>in Months</i>): 0	Production Leadtime (<i>in Months</i>): 0
---	---

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 0
---	---------------------------------

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft /
BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F2232B / Increment 3.2b

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0605213F **Other Related Program Elements:** 0605213F

Line Item MDAP/MAIS Code: 474 **Item MDAP/MAIS Code(s):**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	97.825	-	97.825	79.091	144.831	13.187	20.529	-	355.463
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	28.500	-	28.500	-	-	-	-	-	28.500
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	69.325	-	69.325	79.091	144.831	13.187	20.529	-	326.963
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	28.500	-	-	-	-	-	-	-	-	28.500
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	28.500	69.325	-	69.325	79.091	144.831	13.187	20.529	-	355.463

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

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

Description:

Increment 3.2B will integrate the newest air-to-air intercept missiles (i.e., AIM-9X and AIM-120D), further improve the Electronic Protection (EP) capability over Increment 3.2A, and enhance the F-22's geolocation capability from the Increment 3.1 baseline with the addition of the Geolocation 2 capability. Increment 3.2B will include the Enhanced Stores Management System (ESMS), as well as, Common Weapon Engagement Zone (Common WEZ), an Intra-Flight Datalink (IFDL) improvement to increase IFDL bandwidth and enable cooperative functions required to realize Increment 3.2B capabilities.

In addition to the aforementioned hardware modifications and integration requirements, Increment 3.2B will develop, certify and integrate a new platform operational flight program to ensure the system interoperability and performance of all increment-level developments.

Increment 3.2B retrofits Block 30 and 35 aircraft with hardware to host Increment 3.2B capabilities including the Enhanced Stores Management System (ESMS) Common Split Bus, AIM-120D, AIM-9X, Electronic Protection enhancements, IFDL improvements, and Geolocate 2.0. Increment 3.2B is the user's highest priority for F-22.

The FY2016 funding request was reduced by \$60.131 million to account for the availability of prior execution balances.

Increment 3.2B FY15 Advance Procurement was for the purchase of long lead parts.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	28.500	69.325	-	69.325	79.091	110.171	13.187	15.228

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: F2232B / Increment 3.2b
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0605213F	Other Related Program Elements: 0605213F
---	--	---

Line Item MDAP/MAIS Code: 474	Item MDAP/MAIS Code(s):
--------------------------------------	--------------------------------

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	34.660	-	5.301
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	28.500	69.325	-	69.325	79.091	144.831	13.187	20.529

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F2232B / Increment 3.2b

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0605213F **Other Related Program Elements:** 0605213F

Line Item MDAP/MAIS Code: 474 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
11100 / INCREMENT 3.2B (Capability Improvement)	P-3a		- / 0.000	- / -	- / -	- / 97.825	- / -	- / 97.825
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / 97.825	- / -	- / 97.825

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
11100 / INCREMENT 3.2B (Capability Improvement)	P-3a		- / 79.091	- / 144.831	- / 13.187	- / 20.529	- / -	- / 355.463
Total Gross/Weapon System Cost			- / 79.091	- / 144.831	- / 13.187	- / 20.529	- / -	- / 355.463

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F2232B / Increment 3.2b						Modification Number / Title: 11100 / INCREMENT 3.2B		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	97.825	-	97.825	79.091	144.831	13.187	20.529	-	355.463
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	28.500	-	28.500	-	-	-	-	-	28.500
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	69.325	-	69.325	79.091	144.831	13.187	20.529	-	326.963
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	28.500	-	-	-	-	-	-	-	-	28.500
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	28.500	69.325	-	69.325	79.091	144.831	13.187	20.529	-	355.463
<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>)	-	-	-	2.934	-	2.934	4.470	7.782	-	-	-	15.186
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Increment 3.2B retrofits Block 30 and 35 aircraft with hardware to host Increment 3.2B capabilities including the Enhanced Stores Management System (ESMS) Common Split Bus, AIM-120D, AIM-9X, Electronic Protection enhancements, IFDL improvements, and Geolocate 2.0. Increment 3.2B is the user's highest priority for F-22. The schedule of the retrofit program is estimated and will not be final until development nears completion and a proposal is received to accomplish the effort. The Increment 3.2B modification is a New Start in FY15 with Advance Procurement dollars. Kit installations will be accomplished by contractor field teams. Increment 3.2B also includes Mission Support Requirements.

Milestone/Development Status

Development efforts continue through FY17. FY18 and out includes reoccurring software maintenance costs accounted for in RDT&E.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	28.500	69.325	-	69.325	79.091	110.171	13.187	15.228
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	34.660	-	5.301
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	97.825	-	97.825	79.091	144.831	13.187	20.529

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F2232B / Increment 3.2b					Modification Number / Title: 11100 / INCREMENT 3.2B			
Models of Systems Affected: F-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0605213F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0605213F	- / 529.291	- / 88.268	- / 173.647	- / 140.640	- / -	- / 140.640	- / 72.467	- / 1.399	- / 1.426	- / 1.452	- / -	- / 1,008.590	
Procurement													
<i>Modification Item 1 of 1: Inc 3.2B Kits</i>													
A Kits													
Recurring													
Inc 3.2B Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	35 / 0.800	- / -	35 / 0.800	36 / 0.900	72 / 1.600	- / -	- / -	- / -	143 / 3.300	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.800	- / -	- / 0.800	- / 0.900	- / 1.600	- / -	- / -	- / -	- / 3.300	
B Kits													
Recurring													
Inc 3.2B Kits:EQUIPMENT Group B (Active)	- / -	- / -	- / -	35 / 91.192	- / -	35 / 91.192	36 / 73.620	52 / 90.060	- / -	- / -	- / -	123 / 254.872	
Inc 3.2B Kits:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 34.660	- / -	- / -	- / -	20 / 34.660	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 91.192	- / -	- / 91.192	- / 73.620	- / 124.720	- / -	- / -	- / -	- / 289.532	
<i>Subtotal: Inc 3.2B Kits</i>	- / -	- / -	- / -	- / 91.992	- / -	- / 91.992	- / 74.520	- / 126.320	- / -	- / -	- / -	- / 292.832	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 91.992	- / -	- / 91.992	- / 74.520	- / 126.320	- / -	- / -	- / -	- / 292.832	
Support (All Modification Items)													
Data	- / -	- / -	- / -	- / 1.700	- / -	- / 1.700	- / 1.800	- / 3.300	- / 0.221	- / 0.400	- / -	- / 17.421	
PMA - Other Gov't Costs	- / -	- / -	- / -	- / 4.133	- / -	- / 4.133	- / 2.771	- / 5.711	- / 0.816	- / 1.048	- / -	- / 14.479	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 5.833	- / -	- / 5.833	- / 4.571	- / 9.011	- / 1.037	- / 1.448	- / -	- / 21.900	
Installation													
<i>Modification Item 1 of 1: Inc 3.2B Kits</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 9.500	36 / 12.150	72 / 19.081	- / -	143 / 40.731	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 9.500	36 / 12.150	72 / 19.081	- / -	143 / 40.731	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	97.825	-	97.825	79.091	144.831	13.187	20.529	-	355.463	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F2232B / Increment 3.2b	Modification Number / Title: 11100 / INCREMENT 3.2B

Modification Item 1 of 1: Inc 3.2B Kits

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth, TX
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 24

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 9.500	- / -	- / -	- / -	35 / 9.500
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 12.150	- / -	- / -	36 / 12.150
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 19.081	- / -	72 / 19.081
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 9.500	36 / 12.150	72 / 19.081	- / -	143 / 40.731

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	12	12	9	9	9	9	9	18	18	18	18	-	143
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	12	12	9	9	9	9	9	18	18	18	18	-	143

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: F2232B / Increment 3.2b
---	---

Program Elements for Code B Items: 0605213F	Other Related Program Elements: 0605213F
--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	28.500	-	-	-	-	-	-	-	-	28.500
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	28.500	-	-	-	-	-	-	-	-	28.500
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	28.500	-	-	-	-	-	-	-	-	28.500

Description:

F-22 Increment 3.2B will integrate the newest air-to-air intercept missiles (i.e., AIM-9X and AIM-120D), further improve the Electronic Protection (EP) capability over Increment 3.2A, and enhance the F-22s geolocation capability from the Increment 3.1 baseline with the addition of the Geolocation 2 candidate. Increment 3.2B will include the Enhanced Stores Management System (ESMS), as well as, Common Weapon Engagement Zone (Common WEZ), an Intra-Flight Datalink (IFDL) improvement to increase IFDL bandwidth and enable cooperative functions required to realize Increment 3.2B candidates. (See the P3A for a complete description and justification of the F-22 Increment 3.2B modification #11100).

Advance procurement (AP) funds support the procurement of long-lead components and special test equipment/diminishing manufacturing source items for the F-22 Increment 3.2B modification (#11100) Low Rate Initial Procurement (LRIP) of 35 aircraft.

In addition, the AP will mitigate the 24 month production gap between the end of the Engineering and Manufacturing Development (EMD) hardware production and the LRIP hardware procurement.

The F-22 Increment 3.2B AP was approved by the Milestone Decision Authority (MDA) in the EMD Acquisition Decision Memorandum (ADM) at Milestone B in June 2013.

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: F2232B / Increment 3.2b
--	---

Program Elements for Code B Items: 0605213F	Other Related Program Elements: 0605213F
--	---

Line Item MDAP/MAIS Code: 474	Item MDAP/MAIS Code(s):
--------------------------------------	--------------------------------

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
11100 / INCREMENT 3.2B	P-10		- / -	- / -	- / 28.500	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / -	- / 28.500	- / -	- / -	- / -

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
11100 / INCREMENT 3.2B	P-10		- / -	- / -	- / -	- / -	- / -	- / 28.500
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / -	- / -	- / 28.500

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

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

Justification:
The \$28.500M Advance Procurement (AP) of long-lead components and special test equipment/diminishing manufacturing source items mitigates the production gap between the end of the Engineering and Manufacturing Development (EMD) hardware production and the FY16 procurement of the initial 35 F-22 Increment 3.2B modification (#11100) Low Rate Initial Procurement (LRIP) kits.

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F2232B / Increment 3.2b	P-3a Number / Title: 11100 / INCREMENT 3.2B
---	---	---

First System (2016) Award Date: January 2016	First System (2016) Completion Date: January 2018	Interval Between Systems: 2 Months
--	---	--

	Production Leadtime <i>(Months)</i>	Prior Years <i>(Each)</i>	FY 2014 <i>(Each)</i>	FY 2015 <i>(Each)</i>	FY 2016 <i>(Each)</i>	FY 2017 <i>(Each)</i>	FY 2018 <i>(Each)</i>	FY 2019 <i>(Each)</i>	FY 2020 <i>(Each)</i>	To Complete <i>(Each)</i>	Total <i>(Each)</i>
INCREMENT 3.2B											
Quantity	36	-	-	-	-	-	-	-	-	-	-

	When Rqd <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2014 <i>(\$ M)</i>	FY 2015 <i>(\$ M)</i>	FY 2016 <i>(\$ M)</i>	FY 2017 <i>(\$ M)</i>	FY 2018 <i>(\$ M)</i>	FY 2019 <i>(\$ M)</i>	FY 2020 <i>(\$ M)</i>	To Complete <i>(\$ M)</i>	Total <i>(\$ M)</i>
--	-----------------------------	------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	------------------------------	------------------------

CFE											
Equipment	12	-	-	28.500	-	-	-	-	-	-	28.500
<i>Total: CFE</i>		-	-	28.500	-	-	-	-	-	-	28.500
Total Advance Procurement/Obligation Authority		-	-	28.500	-	-	-	-	-	-	28.500

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F2232B / Increment 3.2b	P-3a Number / Title: 11100 / INCREMENT 3.2B
---	---	---

Cost Elements	QPA <i>(Each)</i>	FY 2016					Total Cost Request <i>(\$ M)</i>
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ M)</i>	Contract Forecast Date	2016 Qty <i>(Each)</i>	For FY	
CFE							
Equipment	-						-
<i>Total: CFE</i>							-
Total Advance Procurement/Obligation Authority							-

Description:
 F-22 Increment 3.2B will integrate the newest air-to-air intercept missiles (ie., AIM-9X and AIM-120D), further improve the Electronic Protection (EP) capability over Increment 3.2A, and enhance the F-22s geolocation capability from the Increment 3.1 baseline with the addition of the Geolocation 2 candidate. Increment 3.2B will include the Enhanced Stores Management System (ESMS), as well as, Common Weapon Engagement Zone (Common WEZ), an Intra-Flight Datalink (IFDL) improvement to increase IFDL bandwidth and enable cooperative functions required to realize Increment 3.2B candidates. (see the P3A for a complete description and justification of the F-22 Increment 3.2B modification #11100).

Advanced Procurement (AP) funds support the procurement of long-lead component and special test equipment/diminishing manufacturing source items for the F-22 Increment 3.2B modification (#11100) Low Rate Initial Procurement (LRIP) of 35 aircraft.

In addition, the AP will mitigate the 24 month production gap between the end of the Engineering and Manufacturing Development (EMD) hardware production and the LRIP hardware procurement.

The F-22 Increment 3.2B AP was approved by the Milestone Decision Authority (MDA) in the EMD Acquisition Decision Memorandum (ADM) at Milestone B in June 2013.

The FY15 budget fully funds the F-22 Increment 3.2B AP requirement.

The Increment 3.2B modification is a New Start in FY15 with the Advance Procurement of long lead components.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C00500 / C-5
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401119F	Other Related Program Elements: 0401119F
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,225.765	0.956	14.731	5.604	-	5.604	25.108	40.254	72.575	72.910	67.332	1,525.235
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,225.765	0.956	14.731	5.604	-	5.604	25.108	40.254	72.575	72.910	67.332	1,525.235
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,225.765	0.956	14.731	5.604	-	5.604	25.108	40.254	72.575	72.910	67.332	1,525.235

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

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

Description:

This line item funds modifications to the C-5 aircraft. The four-engine C-5 carries outsized and heavy cargo (tanks, helicopters, etc.) between main operating bases. Additionally, the aircraft is capable of carrying 73 troops and 36 standard 463-L pallets. Modifications enhance operational capability while improving flight safety, reliability, and maintainability. Modifications budgeted and programmed are below. In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L.110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities. There are 64 C-5 aircraft in the Air Force fleet as of December 2014. The C-5 fleet was delivered to the Air Force from 1969 to 1989. Initial service life for the aircraft was 30,000 flight hours. Service life is extended to at least CY 2040 as a result of the Reliability Enhancement and Re-engining Program modification. Primary production funding interest in FY16 is C-5 Mission Systems Equipment - Lavatory.

Funding for this exhibit is contained in PE 0401119F.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.956	12.451	3.816	-	3.816	23.935	39.162	70.988	63.654
AFNG									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	-	-	-	-	-	-	-
AFR									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	2.280	1.788	-	1.788	1.173	1.092	1.587	9.256
Total:									
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C00500 / C-5

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items: 0401119F				Other Related Program Elements: 0401119F				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	0.956	14.731	5.604	-	5.604	25.108	40.254	72.575	72.910

--	--	--	--	--	--	--	--	--	--	--

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C00500 / C-5

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401119F **Other Related Program Elements:** 0401119F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / COMPARTMENT FLOOR CORROSION PREVENTION (Reliability & Maintainability)	P-40a***		- / 0.156	- / -	- / -	- / -	- / -	- / -
2 / C-5 RELIABILITY ENHANCEMENT & REENGINEING PROGRAM (RERP) (Reliability & Maintainability)	P-40a***		- / 825.155	- / -	- / -	- / -	- / -	- / -
3 / LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM) (Capability Improvement)	P-40a***		- / 365.904	- / -	- / -	- / -	- / -	- / -
4 / Defensive System Installation (Capability Improvement)	P-40a***		- / 25.925	- / -	- / -	- / -	- / -	- / -
5 / C-5 Fleet Blk Upgrade 01 (Other)	P-40a***		- / 7.615	- / -	- / 7.600	- / -	- / -	- / -
6 / Mission Computer and Weather Radar (Other)	P-40a***		- / -	- / -	- / 0.495	- / -	- / -	- / -
7 / Mode 5 Swift Broadband BLOS/LOS Radio (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
8 / LOW COST MODIFICATIONS (Other)	P-40a***		- / 1.010	- / 0.956	- / 0.471	- / 0.300	- / -	- / 0.300
8966 / C-5 Mission Systems Equipment- Lavatory (Other)	P-3a		- / -	- / -	- / 6.165	- / 5.304	- / -	- / 5.304
Total Gross/Weapon System Cost			- / 1,225.765	- / 0.956	- / 14.731	- / 5.604	- / -	- / 5.604

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / COMPARTMENT FLOOR CORROSION PREVENTION (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.156
2 / C-5 RELIABILITY ENHANCEMENT & REENGINEING PROGRAM (RERP) (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 825.155
3 / LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 365.904
4 / Defensive System Installation (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 25.925
5 / C-5 Fleet Blk Upgrade 01 (Other)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 15.215
6 / Mission Computer and Weather Radar (Other)	P-40a***		- / 21.198	- / 29.064	- / 44.385	- / 42.905	- / 9.431	- / 147.478
7 / Mode 5 Swift Broadband BLOS/LOS Radio (Capability Improvement)	P-40a***		- / -	- / 8.321	- / 24.196	- / 30.005	- / 57.901	- / 120.423
8 / LOW COST MODIFICATIONS (Other)	P-40a***		- / 0.428	- / 0.249	- / 0.820	- / -	- / -	- / 4.234
8966 / C-5 Mission Systems Equipment- Lavatory (Other)	P-3a		- / 3.482	- / 2.620	- / 3.174	- / -	- / -	- / 20.745
Total Gross/Weapon System Cost			- / 25.108	- / 40.254	- / 72.575	- / 72.910	- / 67.332	- / 1,525.235

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C00500 / C-5					Modification Number / Title: 8966 / C-5 Mission Systems Equipment-Lavatory		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	6.165	5.304	-	5.304	3.482	2.620	3.174	-	-	20.745
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	6.165	5.304	-	5.304	3.482	2.620	3.174	-	-	20.745
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	6.165	5.304	-	5.304	3.482	2.620	3.174	-	-	20.745
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	0.200	0.400	-	0.400	-	-	-	-	-	0.600
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The C-5 mission system equipment program replaces three lavatories and their associated systems in each aircraft with a commercial off-the-shelf (COTS) solution, which improves aircraft availability for the C-5 fleet. This production program mitigates parts obsolescence of the existing system and corrects malfunctions currently occurring to the main landing gear system and avionics system components. Poor design and age of the existing component parts have enabled sodium hypochlorite to leak into the aircraft structure; which in turn cause extensive structural and avionics corrosion. Corrosion of the avionics components has led to burnt wires and circuit cards in the main landing gear sequence panel, which has resulted in shorted wires to the system. Program office implementation of stop-gap measures to fix the major causes of leaks and implementation of preventive measures to protect the surrounding structures have not alleviated the issues. Diminishing manufacturing source (DMS) issues, as a result of parts obsolescence and data right issues, are preventing the procurement of replacement parts for the current system. System degradation and extra maintenance are causing increased aircraft downtime. A COTS solution to the problem is recommended to ensure implementation of long-term, sustainable mission system equipment.

Milestone/Development Status

An engineering trade study was accomplished to determine the best commercial off-the-shelf (COTS) alternative. An ongoing proof of concept effort will ensure the COTS lavatory can be retrofitted onto the C-5. The prime contractor is Wyle and the installation locations will be Robins AFB and Dover AFB. Fifty C-5Ms will be retrofitted in production, two of those will be retrofitted during engineering, manufacturing, development (EMD).

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	6.165	3.516	-	3.516	2.309	1.528	1.587	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	1.788	-	1.788	1.173	1.092	1.587	-
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3			P-1 Line Item Number / Title: C00500 / C-5				Modification Number / Title: 8966 / C-5 Mission Systems Equipment-Lavatory			

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	-	6.165	5.304	-	5.304	3.482	2.620	3.174	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C00500 / C-5	Modification Number / Title: 8966 / C-5 Mission Systems Equipment-Lavatory

Models of Systems Affected: C-5M	Modification Type: Other	Related RDT&E PEs: 0401119F
---	---------------------------------	--

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1:</i> Lavatory Kit												
B Kits												
Recurring												
Lavatory Kit:EQUIPMENT Group B (Active)	- / -	- / -	7 / 1.764	9 / 2.219	- / -	9 / 2.219	9 / 2.000	7 / 1.167	2 / 0.504	- / -	- / -	34 / 7.654
Lavatory Kit:EQUIPMENT Group B (Reserve)	- / -	- / -	- / -	4 / 1.008	- / -	4 / 1.008	5 / 1.000	5 / 0.833	2 / 0.504	- / -	- / -	16 / 3.345
<i>Subtotal: Recurring</i>	- / -	- / -	- / 1.764	- / 3.227	- / -	- / 3.227	- / 3.000	- / 2.000	- / 1.008	- / -	- / -	- / 10.999
<i>Subtotal: Lavatory Kit</i>	- / -	- / -	- / 1.764	- / 3.227	- / -	- / 3.227	- / 3.000	- / 2.000	- / 1.008	- / -	- / -	- / 10.999
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 1.764	- / 3.227	- / -	- / 3.227	- / 3.000	- / 2.000	- / 1.008	- / -	- / -	- / 10.999
Installation												
<i>Modification Item 1 of 1:</i> Lavatory Kit												
<i>Subtotal: Installation</i>	- / -	- / -	7 / 4.401	13 / 2.077	- / -	13 / 2.077	14 / 0.482	12 / 0.620	4 / 2.166	- / -	- / -	50 / 9.746
Total												
Total Cost (Procurement + Support + Installation)	-	-	6.165	5.304	-	5.304	3.482	2.620	3.174	-	-	20.745

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C005M0 / C-5M

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401119F **Other Related Program Elements:** 0401119F

Line Item MDAP/MAIS Code: 327 **Item MDAP/MAIS Code(s):**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,418.358	1,059.517	317.466	-	-	-	-	-	-	-	-	3,795.341
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	175.800	-	-	-	-	-	-	-	-	-	175.800
Net Procurement (P1) (<i>\$ in Millions</i>)	2,418.358	883.717	317.466	-	-	-	-	-	-	-	-	3,619.541
Plus CY Advance Procurement (<i>\$ in Millions</i>)	175.800	-	-	-	-	-	-	-	-	-	-	175.800
Total Obligation Authority (<i>\$ in Millions</i>)	2,594.158	883.717	317.466	-	-	-	-	-	-	-	-	3,795.341

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

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

Description:

The four-engine C-5 carries outsized and heavy cargo (tanks, helicopters, etc.) between main operating bases. Additionally, the aircraft is capable of carrying 73 troops and 36 standard 463-L pallets.

There are 64 C-5 aircraft in the Air Force fleet as of December 2014. The C-5 fleet was delivered to the Air Force from 1969 to 1989. Initial service life for the aircraft was 30,000 flight hours.

The Air Force plans to retire the remaining 12 C-5A aircraft, which will leave a total of 52 C-5B/C/M aircraft. The schedule for the retirements are as follows:

FY 2015: 6
FY 2016: 6

Funding for this exhibit is contained in PE 0401119F.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	62.765	118.919	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	820.952	198.547	-	-	-	-	-	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C005M0 / C-5M
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401119F	Other Related Program Elements: 0401119F
---	--	---

Line Item MDAP/MAIS Code: 327	Item MDAP/MAIS Code(s):
--------------------------------------	--------------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	883.717	317.466	-	-	-	-	-	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C005M0 / C-5M

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401119F **Other Related Program Elements:** 0401119F

Line Item MDAP/MAIS Code: 327 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
6154 / C-5 Reliability Enhancement and Re-Engining Program (Capability Improvement)	P-3a		- / 2,418.358	- / 1,059.517	- / 317.466	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 2,418.358	- / 1,059.517	- / 317.466	- / -	- / -	- / -

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
6154 / C-5 Reliability Enhancement and Re-Engining Program (Capability Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 3,795.341
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / -	- / -	- / 3,795.341

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C005M0 / C-5M					Modification Number / Title: 6154 / C-5 Reliability Enhancement and Re-Engining Program			

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,418.358	1,059.517	317.466	-	-	-	-	-	-	-	-	3,795.341
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	175.800	-	-	-	-	-	-	-	-	-	175.800
Net Procurement (P1) (<i>\$ in Millions</i>)	2,418.358	883.717	317.466	-	-	-	-	-	-	-	-	3,619.541
Plus CY Advance Procurement (<i>\$ in Millions</i>)	175.800	-	-	-	-	-	-	-	-	-	-	175.800
Total Obligation Authority (<i>\$ in Millions</i>)	2,594.158	883.717	317.466	-	-	-	-	-	-	-	-	3,795.341
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	233.272	131.933	-	-	-	-	-	-	-	-	-	365.205
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

C-5 Reliability Enhancement and Re-engining Program (RERP) is a comprehensive modernization effort to improve aircraft reliability, maintainability and availability. This effort centers around replacing the current TF39 engines with more reliable, commercial off-the-shelf CF6 turbofan engines. The RERP modification increases payload capability and access to communication, navigation, surveillance/air traffic management (CNS/ATM) airspace through core mission computer (CMC), radar, and other Air Force (AF) requirements like mode 5 identification, friend or foe (IFF), aircraft communication addressing and reporting system (ACARS), replacement of the malfunction analysis detection and recording system (MADARS)with embedded diagnostic systems (EDS), etc. The modification also decreases aircraft time-to-climb, increases engine-out climb gradient for takeoff, improves transportation system throughput and decreases engine removals. On 7 Oct 10, the USD(AT&L) Acquisition Board directed the Air Force to fully fund RERP to the OSD cost assessment and program evaluation independent cost estimate for RDT&E; and re-designated C-5 RERP as an acquisition category IC program. "Interim contractor support (ICS)" and "Equipment" costs include sustainment tasks for RERP peculiar systems, subsystems and/or components of the C-5M, to include the following: diminishing manufacturing source (DMS) costs for the identification, review, and monitoring of items with high DMS risk potential, classification of identified items according to criticality and expected obsolescence date, identification of alternatives for items having high DMS risks and non-recurring engineering (NRE)/replacement costs for DMS components. Additionally, "ICS" and "Equipment" includes NRE/replacement costs for equipment updates designed to increase availability and maintainability of components as identified during the fiscal year. Equipment DMS issues will be resolved to support continued operations through bridge buys, life-of-type buys, development, and redesign efforts. "Change Orders" also include funding for over-and-above repairs of legacy aircraft components required to complete the C-5 RERP modification and Economic Price Adjustments for CF6 engines. "Sim/Trainer" includes funding for the modification and enhancement of aircrew and maintenance training devices. "Other Govt" includes funding for production line shutdown/disposition. Initial spares funding in FY12-14 was moved to initial spares in BA-06. This program has associated RDT&E funding in PE 0401119F. In FY11, C-5 RERP was established as a separate P-1. For purposes of documentation, 4 aircraft kits are identified in the aircraft breakdown section as being procured and installed prior to FY11. This P3A only reflects that 45 aircraft kits were procured and installed in FY11 until completion in FY15. Three aircraft were modified with RDT&E during system development and demonstration. The total production program aircraft installation breakdown is: Active 33, Reserve 16, Guard 0, Total 49. Allocations are subject to Total Force priorities and demand. C-5 RERP installation has fallen behind schedule due to manufacturing and legacy maintenance issues. The schedule in the P3a is based on the current estimated working schedule. Program office concluded negotiations and awarded for the material/fabrication for Lot 7 in May 14. Negotiations were also completed and awarded for Lot 6 Installation in Jun 14. Lot 7 Installation NTE was also agreed upon in Jun 14 although not scheduled to award until mid 2015. Air Mobility Command (AMC) declared modification initial operational capability (IOC) on 21 Feb 2014. The CY2015 funding request was reduced by \$14 million and the PY2014 was rescinded by \$36 million to account for the availability of prior execution balances. 3 additional Installation kits are being procured with FY2013 funding. The quantity in the installation schedule has been adjusted upward by 3 in FY2013 and downward by 3 in FY2015 with the last induction occurring in FY2017.

Milestone/Development Status

The three production representative C-5Ms developed in system development demonstration completed qualification operational test and evaluation (QOT&E) on 11 Jan 2010. Development efforts in FY12/FY13 focused on correction of deficiencies from OT&E. Additionally, a portion of avionics capability not complete at the end of AMP has been incorporated into the RERP baseline.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C005M0 / C-5M	Modification Number / Title: 6154 / C-5 Reliability Enhancement and Re-Engining Program

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	62.765	118.919	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	820.952	198.547	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1,059.517	317.466	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C005M0 / C-5M					Modification Number / Title: 6154 / C-5 Reliability Enhancement and Re-Engining Program			
Models of Systems Affected: C-5B/C				Modification Type: Capability Improvement				Related RDT&E PEs: 0401119F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0401119F	- / 66.447	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 66.447	
Procurement													
<i>Modification Item 1 of 1: RERP Mod</i>													
B Kits													
Recurring													
RERP Mod:EQUIPMENT Group B (Active)	29 / 1,273.717	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 1,273.717	
RERP Mod:EQUIPMENT Group B (Reserve)	5 / 257.250	11 / 703.647	- / 0.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 961.387	
<i>Subtotal: Recurring</i>	- / 1,530.967	- / 703.647	- / 0.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2,235.104	
<i>Subtotal: RERP Mod</i>	- / 1,530.967	- / 703.647	- / 0.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2,235.104	
<i>Subtotal: Procurement, All Modification Items</i>	- / 1,530.967	- / 703.647	- / 0.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2,235.104	
Support (All Modification Items)													
Change Orders	- / 140.968	- / 53.747	- / 46.677	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 241.392	
SIM/TRAINER	5 / 44.000	1 / 7.038	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 51.038	
SUPPORT-EQUIP	- / 22.571	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.571	
A&AS	- / 17.316	- / 12.023	- / 12.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.189	
GFP	- / 144.395	- / 10.460	- / 21.625	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 76.480	
ICS-Labor	- / 159.634	- / 13.236	- / 7.280	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 80.150	
ICS-Material	- / 130.457	- / 6.764	- / 3.720	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 40.941	
PMA - Contractor Services	- / 2.695	- / 0.772	- / 0.822	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.289	
PMA - Other Gov't Costs	- / 2.604	- / 2.205	- / 2.245	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.054	
OTHER GOVT	- / 1.269	- / 0.065	- / 33.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 35.034	
<i>Subtotal: Support</i>	5 / 355.909	1 / 96.310	- / 118.919	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 571.138	
Installation													
<i>Modification Item 1 of 1: RERP Mod</i>	23 / 531.482	11 / 259.560	11 / 198.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 989.099	
<i>Subtotal: Installation</i>	23 / 531.482	11 / 259.560	11 / 198.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 989.099	
Total													
Total Cost (Procurement + Support + Installation)	2,418.358	1,059.517	317.466	-	-	-	-	-	-	-	-	3,795.341	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C005M0 / C-5M	Modification Number / Title: 6154 / C-5 Reliability Enhancement and Re-Engining Program

Modification Item 1 of 1: RERP Mod

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Marietta, Georgia
Administrative Leadtime (in Months): 8	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	23 / 531.482	11 / 259.560	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 791.042
FY 2014	- / -	- / -	11 / 198.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 198.057
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	23 / 531.482	11 / 259.560	11 / 198.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 989.099

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	2	2	2	2	2	2	3	2	2	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45
Out	5	4	2	1	2	2	2	2	3	2	2	2	2	3	2	2	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	45

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C01700 / C-17A
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401130F	Other Related Program Elements: 0401130F
--	---	--

Line Item MDAP/MAIS Code: 200	Item MDAP/MAIS Code(s):
-------------------------------	-------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,446.290	98.197	89.394	46.997	-	46.997	73.679	61.880	41.330	52.846	-	2,910.613
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2,446.290	98.197	89.394	46.997	-	46.997	73.679	61.880	41.330	52.846	-	2,910.613
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,446.290	98.197	89.394	46.997	-	46.997	73.679	61.880	41.330	52.846	-	2,910.613

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

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

Description:

This line item funds modifications to the C-17 aircraft. The four engine C-17 is the only aircraft capable of routine delivery of outsize cargo (tanks, helicopters, etc.) to short, austere airfields. The aircraft can carry up to 102 troops, 36 litter patients, or 18 standard 463-L pallets.

The Air Force C-17 inventory is 222 aircraft with a certified service life (CSL) of 42,750 equivalent flight hours (EFH). The CSL is captured in the USAF Technical Airworthiness Authority issued legacy C-17 Military Type Certificate No. C-17-C0001 dated 28 February 2013. The current EFH for the C-17 is 9500 hours.

In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), these items are necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.

Funding for this exhibit is contained in PE 0401130F.

Major C-17 modifications in FY16 include Pylon Stub Flammable Fluid Leakage Zone (FFLZ) Fixed Fairing (FF) Translating Fairing, Identification Friend or Foe Global Air Traffic Management (IFF GATM) Mode 5, ILS Identification and Flight Control Updates and Next Generation Communication Navigation Surveillance/Air Traffic Management (CNS/ATM). OBIGGS II and MFOQA terminate in FY16.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	70.509	72.966	45.527	-	45.527	73.679	32.297	37.576	48.759

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C01700 / C-17A
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401130F	Other Related Program Elements: 0401130F
---	--	---

Line Item MDAP/MAIS Code: 200	Item MDAP/MAIS Code(s):
--------------------------------------	--------------------------------

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	14.303	14.514	0.630	-	0.630	-	27.677	1.362	1.858
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	13.385	1.914	0.840	-	0.840	-	1.906	2.392	2.229
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	98.197	89.394	46.997	-	46.997	73.679	61.880	41.330	52.846

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C01700 / C-17A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401130F **Other Related Program Elements:** 0401130F

Line Item MDAP/MAIS Code: 200 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Pylon Stub FFLZ, FF, Translating Fairing (Safety)	P-40a***		- / 43.937	- / 17.234	- / 10.286	- / 3.462	- / -	- / 3.462
2 / ELT Frequency Change (Capability Improvement)	P-40a***		- / 3.062	- / -	- / -	- / -	- / -	- / -
3 / MFOQA (Capability Improvement)	P-40a***		- / 7.954	- / 1.611	- / 1.996	- / 1.538	- / -	- / 1.538
4 / Replacement Heads Up Display (RHUD) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
5 / C-17 Sim Threat Generator (Other)	P-40a***		- / 11.792	- / -	- / -	- / -	- / -	- / -
6 / Block 13 to 17 Retrofit (Capability Improvement)	P-40a***		- / 797.416	- / 44.290	- / 26.053	- / -	- / -	- / -
7 / AIRLIFT DEFENSIVE SYSTEMS-COUNTERMEASURES (Capability Improvement)	P-40a***		- / 0.498	- / -	- / -	- / -	- / -	- / -
8 / NEXT GEN CNS/ATM (Capability Improvement)	P-40a***		- / -	- / -	- / 13.772	- / 1.108	- / -	- / 1.108
9 / OBIGGS II (Capability Improvement)	P-40a***		- / 75.813	- / 11.064	- / -	- / -	- / -	- / -
10 / OBIGGS II Filter Fire Mitigation (2.1) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
11 / Extended Range Retrofit/OBIGGS II (Capability Improvement)	P-40a***		- / 178.132	- / 8.504	- / -	- / -	- / -	- / -
12 / LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM) (Capability Improvement)	P-40a***		- / 1,284.939	- / -	- / -	- / -	- / -	- / -
13 / Mobility Air Force Dynamic Retasking Capability (MAF DRC) (Capability Improvement)	P-40a***		- / 20.575	- / -	- / -	- / -	- / -	- / -
14 / Fixed Installation Satellite Antenna (FISA 2) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
15 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 3.194	- / -	- / 1.999	- / 0.011	- / -	- / 0.011
1508 / IFF GATM Mode 5 (Capability Improvement)	P-3a		- / 13.323	- / 11.679	- / 23.298	- / 31.023	- / -	- / 31.023
9739 / ILS Identification and Flight Control Computer Updates (Capability Improvement)	P-3a		- / 5.655	- / 3.815	- / 11.990	- / 9.855	- / -	- / 9.855
Total Gross/Weapon System Cost			- / 2,446.290	- / 98.197	- / 89.394	- / 46.997	- / -	- / 46.997

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Pylon Stub FFLZ, FF, Translating Fairing (Safety)	P-40a***		- / 8.264	- / 4.923	- / -	- / -	- / -	- / 88.106
2 / ELT Frequency Change (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 3.062
3 / MFOQA (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 13.099
4 / Replacement Heads Up Display (RHUD) (Capability Improvement)	P-40a***		- / -	- / -	- / 9.380	- / 40.412	- / -	- / 49.792
5 / C-17 Sim Threat Generator (Other)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 11.792
6 / Block 13 to 17 Retrofit (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 867.759
7 / AIRLIFT DEFENSIVE SYSTEMS-COUNTERMEASURES (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.498
8 / NEXT GEN CNS/ATM (Capability Improvement)	P-40a***		- / 6.349	- / -	- / -	- / -	- / -	- / 21.229
9 / OBIGGS II (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 86.877

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C01700 / C-17A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401130F **Other Related Program Elements:** 0401130F

Line Item MDAP/MAIS Code: 200 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
10 / OBIGGS II Filter Fire Mitigation (2.1) (Capability Improvement)	P-40a***		- / -	- / 0.109	- / 0.960	- / 2.169	- / -	- / 3.238
11 / Extended Range Retrofit/OBIGGS II (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 186.636
12 / LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1,284.939
13 / Mobility Air Force Dynamic Retasking Capability (MAF DRC) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 20.575
14 / Fixed Installation Satellite Antenna (FISA 2) (Capability Improvement)	P-40a***		- / -	- / 9.103	- / 19.672	- / -	- / -	- / 28.775
15 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.110	- / 0.114	- / 0.013	- / -	- / -	- / 5.441
1508 / IFF GATM Mode 5 (Capability Improvement)	P-3a		- / 49.890	- / 47.631	- / 11.305	- / 10.265	- / -	- / 198.414
9739 / ILS Identification and Flight Control Computer Updates (Capability Improvement)	P-3a		- / 9.066	- / -	- / -	- / -	- / -	- / 40.381
Total Gross/Weapon System Cost			- / 73.679	- / 61.880	- / 41.330	- / 52.846	- / -	- / 2,910.613

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C01700 / C-17A					Modification Number / Title: 1508 / IFF GATM Mode 5		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	13.323	11.679	23.298	31.023	-	31.023	49.890	47.631	11.305	10.265	-	198.414
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	13.323	11.679	23.298	31.023	-	31.023	49.890	47.631	11.305	10.265	-	198.414
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	13.323	11.679	23.298	31.023	-	31.023	49.890	47.631	11.305	10.265	-	198.414
<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>)	1.268	2.975	3.094	3.218	-	3.218	3.347	3.480	2.272	-	-	19.654
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This project will equip C-17 aircraft with an upgraded identification friend or foe (IFF) system and software upgrades to meet future military and civil transponder-reporting requirements. Concerns regarding the capabilities and vulnerabilities of existing military secure, encrypted IFF systems resulted in an AMC requirement for an upgraded mode 5 IFF capability.

This requirement is documented in a Joint Requirements Oversight Council (JROC) approved operational requirements document (ORD). The project upgrades the current APX-119 and KIV-77 (crypto unit) line-replaceable units (LRUs) to provide the Mode 5 capability. The full capabilities of the digital IFF will be integrated in the C-17 to provide the enhanced Mode 5 capabilities.

This project also replaces the current mission computer/core integrated processor (MC/CIP). A form, fit, and function CIP replacement at the LRU level replaces the existing CIP for Block 17 aircraft. The CIP replacement will be operationally transparent to the aircrew. The CIP replacement shall provide processing throughput improvement and added memory capabilities to support future capability upgrade via block software.

Due to synergies with loading software and depot downtime, installations of the following capabilities from the C-17 Communication/Navigation & Capability Mandate (CN/CM) Program (Automatic Dependent Surveillance - Broadcast (ADS-B) Out and a communications upgrade) are included as part of the CIP & Mode 5 Plus upgrade packages starting in FY17.

The project includes procuring Government Furnished Equipment of IFF Transponders, Precision Landing System Receiver (PLSR) Software Upgrades, ARC-210 Gen 5, and Radio Control Units.

Compliance deadline for Mode 5 is IOC of 40 C-17s by end of FY14 and FOC by the end of FY20. All installs will be complete by CY20. Installs are performed at Boeing Support Systems-San Antonio and at WR-ALC.

Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. Projected allocations by component are subject to total force mission priorities and aircraft availability.

Milestone/Development Status

Development Complete

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C01700 / C-17A	Modification Number / Title: 1508 / IFF GATM Mode 5
---	--	---

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	11.679	23.298	31.023	-	31.023	49.890	22.134	7.551	6.178
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	24.553	1.362	1.858
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	0.944	2.392	2.229
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	11.679	23.298	31.023	-	31.023	49.890	47.631	11.305	10.265

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C01700 / C-17A					Modification Number / Title: 1508 / IFF GATM Mode 5			
Models of Systems Affected: C-17				Modification Type: Capability Improvement				Related RDT&E PEs: 0401130F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0401130F	- / 27.411	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 27.411	
Procurement													
Modification Item 1 of 1: Mode 5													
B Kits													
Recurring													
Mode 5:EQUIPMENT Group B (Active)	40 / 5.849	33 / 10.232	33 / 13.074	33 / 17.959	- / -	33 / 17.959	33 / 32.238	6 / 5.666	- / -	- / -	- / -	178 / 85.018	
Mode 5:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 24.553	- / -	- / -	- / -	26 / 24.553	
Mode 5:EQUIPMENT Group B (Reserve)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.944	17 / 2.392	- / -	- / -	18 / 3.336	
Subtotal: Recurring	- / 5.849	- / 10.232	- / 13.074	- / 17.959	- / -	- / 17.959	- / 32.238	- / 31.163	- / 2.392	- / -	- / -	- / 112.907	
Subtotal: Mode 5	- / 5.849	- / 10.232	- / 13.074	- / 17.959	- / -	- / 17.959	- / 32.238	- / 31.163	- / 2.392	- / -	- / -	- / 112.907	
Subtotal: Procurement, All Modification Items	- / 5.849	- / 10.232	- / 13.074	- / 17.959	- / -	- / 17.959	- / 32.238	- / 31.163	- / 2.392	- / -	- / -	- / 112.907	
Support (All Modification Items)													
Change Orders	- / -	- / -	- / 1.254	- / 1.890	- / -	- / 1.890	- / 2.538	- / 3.064	- / 0.562	- / 0.346	- / -	- / 9.654	
SIM/TRAINER	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.300	- / -	- / -	- / -	- / -	- / 3.300	
PMA - Other Gov't Costs	- / -	- / -	- / 2.605	- / 2.868	- / -	- / 2.868	- / 3.314	- / 3.687	- / 2.110	- / 1.499	- / -	- / 16.083	
GFP	- / 5.275	- / -	- / 5.133	- / 4.677	- / -	- / 4.677	- / 4.936	- / 5.772	- / 2.155	- / -	- / -	- / 27.948	
OTHER GOVT	- / 0.428	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.333	- / -	- / 4.761	
Subtotal: Support	- / 5.703	- / -	- / 8.992	- / 9.435	- / -	- / 9.435	- / 14.088	- / 12.523	- / 4.827	- / 6.178	- / -	- / 61.746	
Installation													
Modification Item 1 of 1: Mode 5	2 / 1.771	38 / 1.447	13 / 1.232	37 / 3.629	- / -	37 / 3.629	33 / 3.564	33 / 3.945	33 / 4.086	33 / 4.087	- / -	222 / 23.761	
Subtotal: Installation	2 / 1.771	38 / 1.447	13 / 1.232	37 / 3.629	- / -	37 / 3.629	33 / 3.564	33 / 3.945	33 / 4.086	33 / 4.087	- / -	222 / 23.761	
Total													
Total Cost (Procurement + Support + Installation)	13.323	11.679	23.298	31.023	-	31.023	49.890	47.631	11.305	10.265	-	198.414	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C01700 / C-17A	Modification Number / Title: 1508 / IFF GATM Mode 5

Modification Item 1 of 1: Mode 5

Manufacturer Information

Manufacturer Name: The Boeing Company	Manufacturer Location: Long Beach, CA
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	2 / 1.771	38 / 1.447	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 3.218
FY 2014	- / -	- / -	13 / 1.232	20 / 1.962	- / -	20 / 1.962	- / -	- / -	- / -	- / -	- / -	33 / 3.194
FY 2015	- / -	- / -	- / -	17 / 1.667	- / -	17 / 1.667	16 / 1.728	- / -	- / -	- / -	- / -	33 / 3.395
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	17 / 1.836	16 / 1.913	- / -	- / -	- / -	33 / 3.749
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 2.032	16 / 1.981	- / -	- / -	33 / 4.013
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 2.105	16 / 1.982	- / -	33 / 4.087
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 2.105	- / -	17 / 2.105
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 1.771	38 / 1.447	13 / 1.232	37 / 3.629	- / -	37 / 3.629	33 / 3.564	33 / 3.945	33 / 4.086	33 / 4.087	- / -	222 / 23.761

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	10	10	9	9	4	3	3	3	10	9	9	9	9	8	8	8	9	8	8	8	9	8	8	8	9	8	8	8	-	222
Out	2	-	10	10	9	9	4	3	3	3	10	9	9	9	9	8	8	8	9	8	8	8	9	8	8	8	9	8	8	8	222

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3				P-1 Line Item Number / Title: C01700 / C-17A				Modification Number / Title: 9739 / ILS Identification and Flight Control Computer Updates				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	5.655	3.815	11.990	9.855	-	9.855	9.066	-	-	-	-	40.381
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	5.655	3.815	11.990	9.855	-	9.855	9.066	-	-	-	-	40.381
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5.655	3.815	11.990	9.855	-	9.855	9.066	-	-	-	-	40.381
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification corrects the aircraft deficiency that precludes the crew from positively identifying the Morse Code identifiers broadcast by Instrument Landing System/Microwave Landing System (ILS/MLS) ground stations.

Also, the required software changes in the legacy & modernized Flight Control Computers (FCCs) for the Vertical Navigation capability (Baro-VNAV) will be included in the Block 19 FCCs as deactivated code.

The Precision Landing System Receiver (PLSR) modification is a hardware change to provide the required audio signal to an existing connector pin that is currently unused.

The program is scheduled to complete all 191 installs by FY18. ILS installs will be accomplished on 31 aircraft in conjunction with the Block 13 to 17 retrofit. The remainder of the kits will be installed in conjunction with the IFF GATM Mode 5 modification program.

The modifications are performed at Boeing San Antonio and Warner Robins Depots.

Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.

Milestone/Development Status

Development Complete

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.815	11.990	9.855	-	9.855	9.066	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force						Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3			P-1 Line Item Number / Title: C01700 / C-17A			Modification Number / Title: 9739 / ILS Identification and Flight Control Computer Updates			

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	3.815	11.990	9.855	-	9.855	9.066	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C01700 / C-17A					Modification Number / Title: 9739 / ILS Identification and Flight Control Computer Updates			
Models of Systems Affected: C-17				Modification Type: Capability Improvement				Related RDT&E PEs: 0401130F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0401130F	- / 27.889	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 27.889	
Procurement													
<i>Modification Item 1 of 1: PLSR</i>													
B Kits													
Recurring													
PLSR:EQUIPMENT Group B (Active)	80 / 5.655	68 / 3.815	72 / 8.342	66 / 8.369	- / -	66 / 8.369	96 / 8.169	- / -	- / -	- / -	- / -	382 / 34.350	
<i>Subtotal: Recurring</i>	- / 5.655	- / 3.815	- / 8.342	- / 8.369	- / -	- / 8.369	- / 8.169	- / -	- / -	- / -	- / -	- / 34.350	
<i>Subtotal: PLSR</i>	- / 5.655	- / 3.815	- / 8.342	- / 8.369	- / -	- / 8.369	- / 8.169	- / -	- / -	- / -	- / -	- / 34.350	
<i>Subtotal: Procurement, All Modification Items</i>	- / 5.655	- / 3.815	- / 8.342	- / 8.369	- / -	- / 8.369	- / 8.169	- / -	- / -	- / -	- / -	- / 34.350	
Support (All Modification Items)													
GFP	- / -	- / -	- / 2.984	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.984	
PMA - Contractor Services	- / -	- / -	- / 0.664	- / 1.486	- / -	- / 1.486	- / 0.897	- / -	- / -	- / -	- / -	- / 3.047	
<i>Subtotal: Support</i>	- / -	- / -	- / 3.648	- / 1.486	- / -	- / 1.486	- / 0.897	- / -	- / -	- / -	- / -	- / 6.031	
Installation													
<i>Modification Item 1 of 1: PLSR</i>	2 / 0.000	78 / -	68 / -	72 / -	- / -	72 / -	66 / -	96 / -	- / -	- / -	- / -	382 / -	
<i>Subtotal: Installation</i>	2 / -	78 / -	68 / -	72 / -	- / -	72 / -	66 / -	96 / -	- / -	- / -	- / -	382 / -	
Total													
Total Cost (Procurement + Support + Installation)	5.655	3.815	11.990	9.855	-	9.855	9.066	-	-	-	-	40.381	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C01700 / C-17A	Modification Number / Title: 9739 / ILS Identification and Flight Control Computer Updates

Modification Item 1 of 1: PLSR

Manufacturer Information

Manufacturer Name: BAE Systems Information and Electronic System Integration	Manufacturer Location: Wayne NJ
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 6

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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	78 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 0.000
FY 2014	- / -	- / -	68 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	68 / -
FY 2015	- / -	- / -	- / -	72 / -	- / -	72 / -	- / -	- / -	- / -	- / -	- / -	72 / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	66 / -	- / -	- / -	- / -	- / -	66 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	96 / -	- / -	- / -	- / -	96 / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 0.000	78 / -	68 / -	72 / -	- / -	72 / -	66 / -	96 / -	- / -	- / -	- / -	382 / -

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	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	20	20	18	17	17	17	17	18	18	18	18	16	16	17	17	24	24	24	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	2	20	20	20	18	17	17	17	17	18	18	18	18	16	16	17	17	24	24	24	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C02100 / C-21
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.103	0.264	10.162	-	10.162	5.487	8.261	11.165	0.220	-	35.662
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	0.103	0.264	10.162	-	10.162	5.487	8.261	11.165	0.220	-	35.662
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	0.103	0.264	10.162	-	10.162	5.487	8.261	11.165	0.220	-	35.662

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

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

Description:

This line item funds low-cost modifications and service bulletins for 19 C-21A aircraft, commercial equivalent to the Learjet 35. The C-21A aircraft is a twin-turbofan engine aircraft used for cargo and passenger airlift over medium ranges. The aircraft has a designed service life of 20,000 hours with an average of 4,000 hours remaining. Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

All (19) C-21A aircraft will receive an avionics upgrade, which replaces obsolete/antiquated systems with modern digital equipment and installs Automatic Dependent Surveillance-Broadcast/Transponder Mode 5 capabilities to meet FAA global mandates. This is an FY16 NEW START.

Funding for this exhibit contained in PE 0401314F.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C02100 / C-21

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / -	- / 0.100	- / 0.154	- / 0.052	- / -	- / 0.052
2 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / -	- / 0.003	- / 0.110	- / 0.110	- / -	- / 0.110
1100 / Avionics Upgrades and FAA Mandates (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 10.000	- / -	- / 10.000
Total Gross/Weapon System Cost			- / -	- / 0.103	- / 0.264	- / 10.162	- / -	- / 10.162

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / 0.145	- / 0.135	- / 0.106	- / 0.109	- / -	- / 0.801
2 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.110	- / 0.110	- / 0.110	- / 0.111	- / -	- / 0.664
1100 / Avionics Upgrades and FAA Mandates (Capability Improvement)	P-3a		- / 5.232	- / 8.016	- / 10.949	- / -	- / -	- / 34.197
Total Gross/Weapon System Cost			- / 5.487	- / 8.261	- / 11.165	- / 0.220	- / -	- / 35.662

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3				P-1 Line Item Number / Title: C02100 / C-21				Modification Number / Title: 1100 / Avionics Upgrades and FAA Mandates				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	10.000	-	10.000	5.232	8.016	10.949	-	-	34.197
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	10.000	-	10.000	5.232	8.016	10.949	-	-	34.197
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	10.000	-	10.000	5.232	8.016	10.949	-	-	34.197
<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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

C-21 is an FAA-certified aircraft. This modification replaces the obsolete analog weather radar with modern digital radar; replaces unsupportable flight management system; replaces antiquated and unsupportable Global Positioning Systems (GPS); replaces cockpit voice recorder (CVR) and flight data recorder (FDR) to meet FAA minimum requirements; installs Automatic Dependent Surveillance-Broadcast (ADS-B) capability and Transponder Mode 5 capability to meet FAA compliance requirements. This is an FY16 NEW START.

Milestone/Development Status

Commercial-off-the-shelf items with non-recurring engineering for integration

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C02100 / C-21					Modification Number / Title: 1100 / Avionics Upgrades and FAA Mandates			
Models of Systems Affected: C-21A				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1: Avionics Upgrade</i>													
A Kits													
Recurring													
Avionics Upgrade:INSTALL KITS Group A (Active)													
	- / -	- / -	- / -	3 / 0.750	- / -	3 / 0.750	4 / 1.000	9 / 2.200	3 / 0.750	- / -	- / -	19 / 4.700	
<i>Subtotal: Recurring</i>													
	- / -	- / -	- / -	- / 0.750	- / -	- / 0.750	- / 1.000	- / 2.200	- / 0.750	- / -	- / -	- / 4.700	
B Kits													
Recurring													
Avionics Upgrade:EQUIPMENT Group B (Active)													
	- / -	- / -	- / -	3 / 1.050	- / -	3 / 1.050	4 / 1.400	9 / 3.000	3 / 1.050	- / -	- / -	19 / 6.500	
<i>Subtotal: Recurring</i>													
	- / -	- / -	- / -	- / 1.050	- / -	- / 1.050	- / 1.400	- / 3.000	- / 1.050	- / -	- / -	- / 6.500	
<i>Subtotal: Avionics Upgrade</i>													
	- / -	- / -	- / -	- / 1.800	- / -	- / 1.800	- / 2.400	- / 5.200	- / 1.800	- / -	- / -	- / 11.200	
<i>Subtotal: Procurement, All Modification Items</i>													
	- / -	- / -	- / -	- / 1.800	- / -	- / 1.800	- / 2.400	- / 5.200	- / 1.800	- / -	- / -	- / 11.200	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING													
	- / -	- / -	- / -	- / 4.900	- / -	- / 4.900	- / -	- / -	- / -	- / -	- / -	- / 4.900	
Data													
	- / -	- / -	- / -	- / 0.500	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / 0.500	
PMA - Other Gov't Costs													
	- / -	- / -	- / -	- / 0.100	- / -	- / 0.100	- / 0.132	- / 0.116	- / 0.149	- / -	- / -	- / 0.497	
<i>Subtotal: Support</i>													
	- / -	- / -	- / -	- / 5.500	- / -	- / 5.500	- / 0.132	- / 0.116	- / 0.149	- / -	- / -	- / 5.897	
Installation													
<i>Modification Item 1 of 1: Avionics Upgrade</i>													
	- / -	- / -	- / -	3 / 2.700	- / -	3 / 2.700	3 / 2.700	3 / 2.700	10 / 9.000	- / -	- / -	19 / 17.100	
<i>Subtotal: Installation</i>													
	- / -	- / -	- / -	3 / 2.700	- / -	3 / 2.700	3 / 2.700	3 / 2.700	10 / 9.000	- / -	- / -	19 / 17.100	
Total													
Total Cost (Procurement + Support + Installation)													
	-	-	-	10.000	-	10.000	5.232	8.016	10.949	-	-	34.197	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C02100 / C-21	Modification Number / Title: 1100 / Avionics Upgrades and FAA Mandates

Modification Item 1 of 1: Avionics Upgrade

Manufacturer Information

Manufacturer Name: DTS Aviation Services	Manufacturer Location: Fort Worth, Texas
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 1

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	3 / 2.700	- / -	3 / 2.700	- / -	- / -	- / -	- / -	- / -	3 / 2.700
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.700	1 / 0.900	- / -	- / -	- / -	4 / 3.600
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.800	7 / 6.300	- / -	- / -	9 / 8.100
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.700	- / -	- / -	3 / 2.700
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	3 / 2.700	- / -	3 / 2.700	3 / 2.700	3 / 2.700	10 / 9.000	- / -	- / -	19 / 17.100

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	1	1	1	-	1	1	1	-	2	3	3	2	-	-	-	-	-	-
Out	0	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	-	1	1	1	-	2	3	3	2	-	-	-	-	-	-

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C03200 / C-32A
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	37.000	24.705	8.767	44.464	-	44.464	35.548	19.754	3.934	1.947	-	176.119
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	37.000	24.705	8.767	44.464	-	44.464	35.548	19.754	3.934	1.947	-	176.119
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	37.000	24.705	8.767	44.464	-	44.464	35.548	19.754	3.934	1.947	-	176.119

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

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

Description:

This line item funds all aircraft modifications for (4) C-32A aircraft, a commercial derivative of the Boeing 757-200. The C-32A is a twin-engine, turbofan aircraft used to transport high ranking government officials worldwide. The design service life is 30 years with an average of 16 years remaining.

Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

Communications, Navigation, Surveillance / Air Traffic Management Compliance modification is an FY16 New Start.

Funding for this exhibit is contained in PE 0401314F.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C03200 / C-32A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / CNS/ATM Compliance (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / 1.000	- / -	- / 1.000
2 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / -	- / 0.005	- / 0.005	- / 0.005	- / -	- / 0.005
3 / 99999SG - Service Bulletins - C-32B (Capability Improvement)	P-40a***		- / -	- / 0.932	- / 0.928	- / 0.935	- / -	- / 0.935
4 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / -	- / 0.005	- / 0.005	- / 0.005	- / -	- / 0.005
5 / 99999XG - Low Cost Mods - C-32B (Capability Improvement)	P-40a***		- / -	- / 0.838	- / 0.858	- / 0.885	- / -	- / 0.885
1110 / Nitrogen Generation System (Other)	P-3a		- / -	- / 22.925	- / 2.971	- / 6.000	- / -	- / 6.000
1116 / WIDEBAND SATCOM (Capability Improvement)	P-3a		- / 37.000	- / -	- / 4.000	- / 35.634	- / -	- / 35.634
Total Gross/Weapon System Cost			- / 37.000	- / 24.705	- / 8.767	- / 44.464	- / -	- / 44.464

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / CNS/ATM Compliance (Capability Improvement)	P-40a***		- / 4.000	- / 3.000	- / 2.000	- / -	- / -	- / 10.000
2 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / 0.005	- / 0.005	- / 0.005	- / 0.005	- / -	- / 0.035
3 / 99999SG - Service Bulletins - C-32B (Capability Improvement)	P-40a***		- / 0.968	- / 0.959	- / 0.994	- / 0.994	- / -	- / 6.710
4 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.005	- / 0.005	- / 0.005	- / 0.005	- / -	- / 0.035
5 / 99999XG - Low Cost Mods - C-32B (Capability Improvement)	P-40a***		- / 0.885	- / 0.930	- / 0.930	- / 0.943	- / -	- / 6.269
1110 / Nitrogen Generation System (Other)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 31.896
1116 / WIDEBAND SATCOM (Capability Improvement)	P-3a		- / 29.685	- / 14.855	- / -	- / -	- / -	- / 121.174
Total Gross/Weapon System Cost			- / 35.548	- / 19.754	- / 3.934	- / 1.947	- / -	- / 176.119

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3				P-1 Line Item Number / Title: C03200 / C-32A				Modification Number / Title: 1110 / Nitrogen Generation System				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	22.925	2.971	6.000	-	6.000	-	-	-	-	-	31.896
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	22.925	2.971	6.000	-	6.000	-	-	-	-	-	31.896
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	22.925	2.971	6.000	-	6.000	-	-	-	-	-	31.896
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification installs a Nitrogen Generation System (NGS) on Air Force C-32 aircraft. The C-32 is a commercial derivative of the Boeing 757-200 Extended Range aircraft. Air Force C-32s maintain Federal Aviation Administration (FAA) certification. Due to a potential for fuel vapor explosion in fuselage fuel tanks, the FAA mandated that those aircraft must undergo fuel tank flammability reduction modifications. The C-32 NGS modification will supply nitrogen enriched air to all fuselage fuel tanks to reduce the risk of vapor explosion and comply with FAA mandates. The C-32 NGS design will be based on similar Boeing 757 installations, but highly tailored to incorporate auxiliary fuselage fuel tanks not found on commercial 757 aircraft.

Milestone/Development Status

Commercial-off-the-shelf service bulletin with non-recurring engineering for integration

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C03200 / C-32A					Modification Number / Title: 1110 / Nitrogen Generation System			
Models of Systems Affected: C-32A				Modification Type: Other				Related RDT&E PEs: 0401314F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: NGS</i>													
A Kits													
Recurring													
NGS:INSTALL KITS Group A (Active)													
	- / -	4 / 4.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.000	
<i>Subtotal: Recurring</i>													
	- / -	- / 4.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.000	
B Kits													
Recurring													
NGS:EQUIPMENT Group B (Active)													
	- / -	2 / 2.850	2 / 2.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.700	
<i>Subtotal: Recurring</i>													
	- / -	- / 2.850	- / 2.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.700	
<i>Subtotal: NGS</i>													
	- / -	- / 6.850	- / 2.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.700	
<i>Subtotal: Procurement, All Modification Items</i>													
	- / -	- / 6.850	- / 2.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.700	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING													
	- / -	- / 16.075	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.075	
Data													
	- / -	- / -	- / -	- / 0.875	- / -	- / 0.875	- / -	- / -	- / -	- / -	- / -	- / 0.875	
PMA - Other Gov't Costs													
	- / -	- / -	- / 0.121	- / 0.125	- / -	- / 0.125	- / -	- / -	- / -	- / -	- / -	- / 0.246	
<i>Subtotal: Support</i>													
	- / -	- / 16.075	- / 0.121	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 17.196	
Installation													
<i>Modification Item 1 of 1: NGS</i>													
	- / -	- / -	- / -	4 / 5.000	- / -	4 / 5.000	- / -	- / -	- / -	- / -	- / -	4 / 5.000	
<i>Subtotal: Installation</i>													
	- / -	- / -	- / -	4 / 5.000	- / -	4 / 5.000	- / -	- / -	- / -	- / -	- / -	4 / 5.000	
Total													
Total Cost (Procurement + Support + Installation)													
	-	22.925	2.971	6.000	-	6.000	-	-	-	-	-	31.896	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C03200 / C-32A	Modification Number / Title: 1110 / Nitrogen Generation System

Modification Item 1 of 1: NGS

Manufacturer Information

Manufacturer Name: Boeing	Manufacturer Location: San Antonio, TX
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 3

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	4 / 5.000	- / -	4 / 5.000	- / -	- / -	- / -	- / -	- / -	4 / 5.000
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	4 / 5.000	- / -	4 / 5.000	- / -	- / -	- / -	- / -	- / -	4 / 5.000

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Out	0	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3				P-1 Line Item Number / Title: C03200 / C-32A				Modification Number / Title: 1116 / WIDEBAND SATCOM				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	37.000	-	4.000	35.634	-	35.634	29.685	14.855	-	-	-	121.174
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	37.000	-	4.000	35.634	-	35.634	29.685	14.855	-	-	-	121.174
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	37.000	-	4.000	35.634	-	35.634	29.685	14.855	-	-	-	121.174

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

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

Description:

This modification installs commercial wide-band and protected SATCOM communications/infrastructure and corrects communications system obsolescence issues on (4) Air Force C-32 aircraft. The C-32 is a commercial derivative of the Boeing 757-200 Extended Range Aircraft. Air Force C-32s maintain Federal Aviation Administration Certification. This modification provides national senior leaders with the ability to execute business enterprise and Command and Control functions globally while airborne. It maintains senior leader access to Top Secret /Sensitive Compartmented Information (TS/SCI) voice/data/video networks (Crisis Management System/Joint Worldwide Intelligence Communications System) and Unclassified, Secret, and TS/SCI voice/data/video networks enabling them to be able to conduct time critical targeting of high value targets, as required, and crisis actions while airborne.

Milestone/Development Status

Commercial-off-the-shelf item with non-recurring engineering for integration

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C03200 / C-32A					Modification Number / Title: 1116 / WIDEBAND SATCOM			
Models of Systems Affected: C-32A				Modification Type: Capability Improvement				Related RDT&E PEs: 0401314F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 2: Protected</i>													
A Kits													
Recurring													
Protected:INSTALL KITS Group A (Active)													
	- / -	- / -	- / -	2 / 7.000	- / -	2 / 7.000	- / -	2 / 7.000	- / -	- / -	- / -	4 / 14.000	
<i>Subtotal: Recurring</i>													
	- / -	- / -	- / -	- / 7.000	- / -	- / 7.000	- / -	- / 7.000	- / -	- / -	- / -	- / 14.000	
<i>Subtotal: Protected</i>													
	- / -	- / -	- / -	- / 7.000	- / -	- / 7.000	- / -	- / 7.000	- / -	- / -	- / -	- / 14.000	
<i>Modification Item 2 of 2: Wideband</i>													
A Kits													
Recurring													
Wideband:INSTALL KITS Group A (Active)													
	- / -	- / -	- / -	2 / 12.650	- / -	2 / 12.650	2 / 13.000	- / -	- / -	- / -	- / -	4 / 25.650	
<i>Subtotal: Recurring</i>													
	- / -	- / -	- / -	- / 12.650	- / -	- / 12.650	- / 13.000	- / -	- / -	- / -	- / -	- / 25.650	
B Kits													
Recurring													
Wideband:EQUIPMENT Group B (Active)													
	3 / 21.750	- / -	- / -	1 / 7.250	- / -	1 / 7.250	- / -	- / -	- / -	- / -	- / -	4 / 29.000	
<i>Subtotal: Recurring</i>													
	- / 21.750	- / -	- / -	- / 7.250	- / -	- / 7.250	- / -	- / -	- / -	- / -	- / -	- / 29.000	
<i>Subtotal: Wideband</i>													
	- / 21.750	- / -	- / -	- / 19.900	- / -	- / 19.900	- / 13.000	- / -	- / -	- / -	- / -	- / 54.650	
<i>Subtotal: Procurement, All Modification Items</i>													
	- / 21.750	- / -	- / -	- / 26.900	- / -	- / 26.900	- / 13.000	- / 7.000	- / -	- / -	- / -	- / 68.650	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING													
	- / 15.250	- / -	- / 4.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.250	
Data													
	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.935	- / 10.605	- / -	- / -	- / -	- / 11.540	
PMA - Other Gov't Costs													
	- / -	- / -	- / -	- / 10.234	- / -	- / 10.234	- / 10.250	- / 10.250	- / -	- / -	- / -	- / 10.734	
<i>Subtotal: Support</i>													
	- / 15.250	- / -	- / 4.000	- / 10.234	- / -	- / 10.234	- / 11.185	- / 10.855	- / -	- / -	- / -	- / 21.524	
Installation													
<i>Modification Item 1 of 2: Protected</i>													
	- / -	- / -	- / -	- / -	- / -	- / -	2 / 7.000	2 / 7.000	- / -	- / -	- / -	4 / 14.000	
<i>Modification Item 2 of 2: Wideband</i>													
	- / -	- / -	- / -	2 / 8.500	- / -	2 / 8.500	2 / 8.500	- / -	- / -	- / -	- / -	4 / 17.000	
<i>Subtotal: Installation</i>													
	- / -	- / -	- / -	2 / 8.500	- / -	2 / 8.500	4 / 15.500	2 / 7.000	- / -	- / -	- / -	8 / 31.000	
Total													
Total Cost (Procurement + Support + Installation)													
	37.000	-	4.000	35.634	-	35.634	29.685	14.855	-	-	-	121.174	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C03200 / C-32A	Modification Number / Title: 1116 / WIDEBAND SATCOM

Modification Item 1 of 2: Protected

Manufacturer Information

Manufacturer Name: L3 Communications	Manufacturer Location: Greenville, TX
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 3

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 7.000	- / -	- / -	- / -	- / -	2 / 7.000
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 7.000	- / -	- / -	- / -	2 / 7.000
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	2 / 7.000	2 / 7.000	- / -	- / -	- / -	4 / 14.000

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	4

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C03200 / C-32A	Modification Number / Title: 1116 / WIDEBAND SATCOM

Modification Item 2 of 2: Wideband

Manufacturer Information

Manufacturer Name: L3 Communications	Manufacturer Location: Greenville, TX
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 3

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	2 / 8.500	- / -	2 / 8.500	- / -	- / -	- / -	- / -	- / -	2 / 8.500
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	2 / 8.500	- / -	- / -	- / -	- / -	2 / 8.500
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 8.500	- / -	2 / 8.500	2 / 8.500	- / -	- / -	- / -	- / -	4 / 17.000

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Out	0	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C03700 / C-37A
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	53.000	1.952	18.457	10.861	-	10.861	12.729	3.043	5.822	2.958	-	108.822
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	53.000	1.952	18.457	10.861	-	10.861	12.729	3.043	5.822	2.958	-	108.822
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	53.000	1.952	18.457	10.861	-	10.861	12.729	3.043	5.822	2.958	-	108.822

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

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

Description:

This line item funds modifications to (12) C-37A and C-37B aircraft, commercial equivalent Gulfstream 5 and Gulfstream 550. The C-37A/B is a twin-engine jet transport designed to transport high-ranking government officials worldwide. The designed service life is 40,000 hours with an average of 30,000 hours remaining.

Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration (FAA) certification while improving flight safety, reliability, and maintainability.

All (12) C-37A/B aircraft will receive the Senior Leader Commercial Wideband SATCOM mod, which installs a non-proprietary, service provider agnostic commercial wideband SATCOM system and communications infrastructure. It also replaces legacy VINSON/ANDVT devices on (12) Air Force C-37 aircraft and recertifies the aircraft at a higher zero fuel weight.

All (12) C-37A/B aircraft will receive the Communications, Navigation, Surveillance / Air Traffic Management Compliance mod, which is required for FAA/Global Mandates, and is an FY16 NEW START.

Funding for this exhibit is contained in PE 0401314F.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C03700 / C-37A
---	--

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / -	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.100
2 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / -	- / 0.352	- / 0.357	- / 0.261	- / -	- / 0.261
1117 / WIDEBAND SATCOM (Capability Improvement)	P-3a		- / 53.000	- / 1.500	- / 18.000	- / 10.000	- / -	- / 10.000
1118 / CNS/ATM Compliance (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 0.500	- / -	- / 0.500
Total Gross/Weapon System Cost			- / 53.000	- / 1.952	- / 18.457	- / 10.861	- / -	- / 10.861

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.700
2 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.229	- / 0.343	- / 0.322	- / 0.358	- / -	- / 2.222
1117 / WIDEBAND SATCOM (Capability Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 82.500
1118 / CNS/ATM Compliance (Capability Improvement)	P-3a		- / 12.400	- / 2.600	- / 5.400	- / 2.500	- / -	- / 23.400
Total Gross/Weapon System Cost			- / 12.729	- / 3.043	- / 5.822	- / 2.958	- / -	- / 108.822

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C03700 / C-37A	Modification Number / Title: 1117 / WIDEBAND SATCOM
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	53.000	1.500	18.000	10.000	-	10.000	-	-	-	-	-	82.500
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	53.000	1.500	18.000	10.000	-	10.000	-	-	-	-	-	82.500
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	53.000	1.500	18.000	10.000	-	10.000	-	-	-	-	-	82.500

(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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification installs wide-band SATCOM communications infrastructure and replaces legacy VINSON/ANDVT devices on (12) Air Force C-37 aircraft, and recertifies the aircraft at a higher zero fuel weight. The C-37 is a commercial equivalent Gulfstream 5 and Gulfstream 550. Air Force C-37s maintain Federal Aviation Administration Certification. This modification provides national senior leaders with the ability to execute business enterprise and Command and Control functions globally while airborne. It maintains senior leader access to Top Secret/Sensitive Compartmented Information (TS/SCI) voice/data/video networks (Crisis Management System/Joint Worldwide Intelligence Communications System) while airborne. If not installed, senior leaders will not be able to access Unclassified, Secret, and TS/SCI voice/data/video networks preventing them from being able to conduct time critical targeting of high value targets, as required, and crisis actions while airborne.

Milestone/Development Status

Commercial-off-the-shelf item with non-recurring engineering for integration

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C03700 / C-37A					Modification Number / Title: 1117 / WIDEBAND SATCOM			
Models of Systems Affected: C-37A, C-37B				Modification Type: Capability Improvement				Related RDT&E PEs: 0401314F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Wideband</i>													
A Kits													
Recurring													
Wideband:INSTALL KITS Group A (Active)	5 / 7.500	- / -	7 / 10.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 17.900	
<i>Subtotal: Recurring</i>	- / 7.500	- / -	- / 10.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.900	
B Kits													
Recurring													
Wideband:EQUIPMENT Group B (Active)	12 / 24.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 24.000	
<i>Subtotal: Recurring</i>	- / 24.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.000	
<i>Subtotal: Wideband</i>	- / 31.500	- / -	- / 10.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 41.900	
<i>Subtotal: Procurement, All Modification Items</i>	- / 31.500	- / -	- / 10.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 41.900	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / 21.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.500	
Data	- / -	- / -	- / -	- / 0.900	- / -	- / 0.900	- / -	- / -	- / -	- / -	- / -	- / 0.900	
PMA - Other Gov't Costs	- / -	- / -	- / 0.100	- / 0.100	- / -	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / 0.200	
<i>Subtotal: Support</i>	- / 21.500	- / -	- / 0.100	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 22.600	
Installation													
<i>Modification Item 1 of 1: Wideband</i>	- / -	1 / 1.500	5 / 7.500	6 / 9.000	- / -	6 / 9.000	- / -	- / -	- / -	- / -	- / -	12 / 18.000	
<i>Subtotal: Installation</i>	- / -	1 / 1.500	5 / 7.500	6 / 9.000	- / -	6 / 9.000	- / -	- / -	- / -	- / -	- / -	12 / 18.000	
Total													
Total Cost (Procurement + Support + Installation)	53.000	1.500	18.000	10.000	-	10.000	-	-	-	-	-	82.500	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C03700 / C-37A	Modification Number / Title: 1117 / WIDEBAND SATCOM

Modification Item 1 of 1: Wideband

Manufacturer Information

Manufacturer Name: L3 Communications	Manufacturer Location: Greenville, TX
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 4

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	1 / 1.500	4 / 6.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 7.500
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	1 / 1.500	6 / 9.000	- / -	6 / 9.000	- / -	- / -	- / -	- / -	- / -	7 / 10.500
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 1.500	5 / 7.500	6 / 9.000	- / -	6 / 9.000	- / -	- / -	- / -	- / -	- / -	12 / 18.000

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	2	1	1	1	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Out	0	-	-	-	-	1	1	2	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C03700 / C-37A	Modification Number / Title: 1118 / CNS/ATM Compliance
---	--	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	0.500	-	0.500	12.400	2.600	5.400	2.500	-	23.400
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	0.500	-	0.500	12.400	2.600	5.400	2.500	-	23.400
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	0.500	-	0.500	12.400	2.600	5.400	2.500	-	23.400
<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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification installs ADS-B out/Mode 5 upgrade on (12) Air Force C-37 aircraft for Communications, Navigation, Surveillance / Air Traffic Management (CNS/ATM) compliance. The C-37 is a commercial derivative of the Gulfstream 5 and Gulfstream 550. Air Force C-37s maintain Federal Aviation Administration Certification (FAA). This modification is an FAA/Global mandate. All aircraft flying in a controlled airspace are required to comply with CNS/ATM standards by 2019. This is an FY16 NEW START.

Milestone/Development Status

Commercial-off-the-shelf item with non-recurring engineering for integration

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C03700 / C-37A					Modification Number / Title: 1118 / CNS/ATM Compliance			
Models of Systems Affected: C-37				Modification Type: Capability Improvement				Related RDT&E PEs: 0401314F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: CNS/ATM</i>													
A Kits													
Recurring													
CNS/ATM:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.100	2 / 1.400	5 / 3.500	2 / 1.400	- / -	12 / 8.400	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.100	- / 1.400	- / 3.500	- / 1.400	- / -	- / 8.400	
<i>Subtotal: CNS/ATM</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.100	- / 1.400	- / 3.500	- / 1.400	- / -	- / 8.400	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.100	- / 1.400	- / 3.500	- / 1.400	- / -	- / 8.400	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / -	- / 0.400	- / -	- / 0.400	- / 9.300	- / -	- / -	- / -	- / -	- / 9.700	
Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / 0.300	- / 0.400	- / -	- / 1.200	
PMA - Other Gov't Costs	- / -	- / -	- / -	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.500	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 0.500	- / -	- / 0.500	- / 9.400	- / 0.600	- / 0.400	- / 0.500	- / -	- / 11.400	
Installation													
<i>Modification Item 1 of 1: CNS/ATM</i>													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.900	2 / 0.600	5 / 1.500	2 / 0.600	- / -	12 / 3.600	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	0.500	-	0.500	12.400	2.600	5.400	2.500	-	23.400	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C03700 / C-37A	Modification Number / Title: 1118 / CNS/ATM Compliance

Modification Item 1 of 1: CNS/ATM

Manufacturer Information

Manufacturer Name: Gulfstream	Manufacturer Location: Savannah, GA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 3

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.900	- / -	- / -	- / -	- / -	3 / 0.900
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.600	- / -	- / -	- / -	2 / 0.600
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.500	- / -	- / -	5 / 1.500
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.600	- / -	2 / 0.600
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.900	2 / 0.600	5 / 1.500	2 / 0.600	- / -	12 / 3.600

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	1	1	-	-	3	2	-	-	1	1	-	-
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1	-	-	2	3	-	-	1	1	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	P-1 Line Item Number / Title: GLID00 / GLIDER Mods
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2.936	0.128	0.132	0.134	-	0.134	0.135	0.137	0.139	0.140	-	3.881
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2.936	0.128	0.132	0.134	-	0.134	0.135	0.137	0.139	0.140	-	3.881
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2.936	0.128	0.132	0.134	-	0.134	0.135	0.137	0.139	0.140	-	3.881
<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 Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds modifications to the TG-15 and TG-16 gliders, T-41, T-51, T-53 and UV-18 aircraft used at the United States Air Force Academy. Among gliders there are two TG-15A aircraft with a design service life of 6,000 hours, three TG-15B aircraft with a design service life of 6,000 hours, 19 TG-16A aircraft with a design service life of 12,000. Powered flight consists of four T-41D aircraft with a design service life of 60,000 hours, three T-51A aircraft with a design service life of 60,000 hours and 24 T-53A aircraft with a design service life of 12,000 hours. To support parachute jumping there are three UV-18B aircraft with a design service life of 40,000 hours. The primary effort in FY16 is Low Cost Modifications, which includes FAA Service Bulletin and Air Worthiness Directives.

Funding for this exhibit contained in PE 0804748F.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	P-1 Line Item Number / Title: GLID00 / GLIDER Mods
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / LOW COST MODIFICATIONS (Reliability & Maintainability)	P-40a***		- / 2.936	- / 0.128	- / 0.132	- / 0.134	- / -	- / 0.134
Total Gross/Weapon System Cost			- / 2.936	- / 0.128	- / 0.132	- / 0.134	- / -	- / 0.134
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / LOW COST MODIFICATIONS (Reliability & Maintainability)	P-40a***		- / 0.135	- / 0.137	- / 0.139	- / 0.140	- / -	- / 3.881
Total Gross/Weapon System Cost			- / 0.135	- / 0.137	- / 0.139	- / 0.140	- / -	- / 3.881

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	P-1 Line Item Number / Title: JPAT00 / T-6
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0804740F	Other Related Program Elements: 0604233F
--	---	--

Line Item MDAP/MAIS Code: 560	Item MDAP/MAIS Code(s):
-------------------------------	-------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	115.189	5.392	14.486	17.968	-	17.968	26.300	25.844	26.246	26.689	-	258.114
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	115.189	5.392	14.486	17.968	-	17.968	26.300	25.844	26.246	26.689	-	258.114
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	115.189	5.392	14.486	17.968	-	17.968	26.300	25.844	26.246	26.689	-	258.114

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

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

Description:

The Joint Primary Aircraft Training System (JPATS) T-6 replaces the USAF T-37B and USN T-34C training aircraft and their associated ground based training systems. The JPATS T-6 aircraft provides significant improvements over the aircraft it is replacing, including a 0/0 ejection seat which accommodates a larger anthropometric pilot population, a pressurized cockpit, gravitational-force (g-force) strain reduction capabilities, and increased birdstrike protection. There are currently 446 T-6A aircraft in the Air Force inventory. The aircraft were designed with a 24 year service life. Remaining service life is up to 21 years from the final delivery in May 2010. The primary modifications in FY2015 include Avionics Obsolescence, Aircrew Training Device (ATD) Visual System Retrofit, Airframe Structural Improvements, On-Board Oxygen Generating System (OBOGS) Concentrator, Canopy Fracture Initiation System, and Low Cost Modifications.

Funding for this exhibit contained in PE 0804740F.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.392	14.486	17.968	-	17.968	26.300	25.844	26.246
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.392	14.486	17.968	-	17.968	26.300	25.844	26.246

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft

P-1 Line Item Number / Title:
JPAT00 / T-6

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0804740F **Other Related Program Elements:** 0604233F

Line Item MDAP/MAIS Code: 560 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Landing Gear Shimmy (Reliability & Maintainability)	P-40a***		- / 0.889	- / 0.291	- / -	- / -	- / -	- / -
2 / Power Control Lever (Reliability & Maintainability)	P-40a***		- / 5.243	- / 0.060	- / -	- / -	- / -	- / -
3 / OBOGS Low Pressure Switch and Concentrator (Reliability & Maintainability)	P-40a***		- / 2.089	- / -	- / 1.250	- / 3.507	- / -	- / 3.507
4 / Landing Gear Door Spring Housing, Bellcrank & Pushrods (Reliability & Maintainability)	P-40a***		- / 4.795	- / -	- / -	- / -	- / -	- / -
5 / IDARS-MFOQA (Safety)	P-40a***		- / 3.906	- / -	- / -	- / -	- / -	- / -
6 / ATD Visual System Retrofit (Capability Improvement)	P-40a***		- / 21.354	- / 1.517	- / 2.200	- / 0.193	- / -	- / 0.193
7 / Avionics Obsolescence (Reliability & Maintainability)	P-40a***		- / 15.445	- / 2.708	- / 5.088	- / 3.270	- / -	- / 3.270
8 / Traffic Advisory System (Capability Improvement)	P-40a***		- / 29.580	- / -	- / -	- / -	- / -	- / -
9 / COCKPIT UPGRADES (Capability Improvement)	P-40a***		- / 6.030	- / -	- / 2.134	- / -	- / -	- / -
10 / Canopy Fracture Initiation System (Reliability & Maintainability)	P-40a***		- / -	- / 0.040	- / 0.649	- / 0.221	- / -	- / 0.221
11 / LANDING GEAR HANDLE REDESIGN (Reliability & Maintainability)	P-40a***		- / 2.765	- / 0.072	- / -	- / -	- / -	- / -
12 / AIRFRAME STRUCTURAL IMPROVEMENTS (Reliability & Maintainability)	P-40a***		- / 16.065	- / 0.305	- / 1.750	- / 0.370	- / -	- / 0.370
13 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 7.028	- / 0.399	- / 1.415	- / 0.315	- / -	- / 0.315
9877 / Avionics Upgrades FAA Compliance (Reliability & Maintainability)	P-3a		- / -	- / -	- / -	- / 4.120	- / -	- / 4.120
9878 / Aircrew Training Device (ATD) Digital Acquisition System (DAS-II) and Electronic Control Loading ... (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 5.972	- / -	- / 5.972
Total Gross/Weapon System Cost			- / 115.189	- / 5.392	- / 14.486	- / 17.968	- / -	- / 17.968

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Landing Gear Shimmy (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.180
2 / Power Control Lever (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 5.303
3 / OBOGS Low Pressure Switch and Concentrator (Reliability & Maintainability)	P-40a***		- / 1.800	- / 1.300	- / 2.388	- / -	- / -	- / 12.334
4 / Landing Gear Door Spring Housing, Bellcrank & Pushrods (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 4.795
5 / IDARS-MFOQA (Safety)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 3.906
6 / ATD Visual System Retrofit (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 25.264
7 / Avionics Obsolescence (Reliability & Maintainability)	P-40a***		- / 3.363	- / 6.478	- / 7.145	- / 12.933	- / -	- / 56.430
8 / Traffic Advisory System (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 29.580
9 / COCKPIT UPGRADES (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 8.164
10 / Canopy Fracture Initiation System (Reliability & Maintainability)	P-40a***		- / 0.150	- / 0.150	- / 0.150	- / -	- / -	- / 1.360
11 / LANDING GEAR HANDLE REDESIGN (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 2.837
12 / AIRFRAME STRUCTURAL IMPROVEMENTS (Reliability & Maintainability)	P-40a***		- / 0.378	- / 0.686	- / 2.495	- / 5.421	- / -	- / 27.470
13 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.315	- / 1.215	- / 1.515	- / 1.615	- / -	- / 13.817

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft

P-1 Line Item Number / Title:
JPAT00 / T-6

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0804740F **Other Related Program Elements:** 0604233F

Line Item MDAP/MAIS Code: 560 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
9877 / Avionics Upgrades FAA Compliance (Reliability & Maintainability)	P-3a		- / 13.106	- / 12.367	- / 12.553	- / 6.720	- / -	- / 48.866
9878 / Aircrew Training Device (ATD) Digital Acquisition System (DAS-II) and Electronic Control Loading ... (Capability Improvement)	P-3a		- / 7.188	- / 3.648	- / -	- / -	- / -	- / 16.808
Total Gross/Weapon System Cost			- / 26.300	- / 25.844	- / 26.246	- / 26.689	- / -	- / 258.114

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4					P-1 Line Item Number / Title: JPAT00 / T-6					Modification Number / Title: 9877 / Avionics Upgrades FAA Compliance		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	4.120	-	4.120	13.106	12.367	12.553	6.720	-	48.866
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	4.120	-	4.120	13.106	12.367	12.553	6.720	-	48.866
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	4.120	-	4.120	13.106	12.367	12.553	6.720	-	48.866
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The overall goal of the modification is to be in compliance with the 28 May 2010 Federal Aviation Administration (FAA) release DoT/FAA, 14 CFR Par 91: Automated Dependent Surveillance Broadcast (ADS-B) Out Performance Requirements to Support Air Traffic Control (ATC) Service Final Rule. This mandate stipulates that all aircraft required to have unrestricted access to operate in Classes A, B, and C airspace, certain Class E airspace, and other specified airspace requiring ADS-B Out, must be in compliance with this regulation by January 1, 2020. Upgrading to ADS-B Out will require significant avionics system modifications to the T-6 fleet and may include replacing the existing GPS to be GPS-WAAS capable. This effort will be a New Start for the retrofit in FY16. RTD&E effort begins in FY15.

Milestone/Development Status

Development for this effort will begin in FY15 under PE 0604233F.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	4.120	-	4.120	13.106	12.367	12.553	6.720
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	4.120	-	4.120	13.106	12.367	12.553	6.720

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: JPAT00 / T-6	Modification Number / Title: 9877 / Avionics Upgrades FAA Compliance

Models of Systems Affected: T-6A	Modification Type: Reliability & Maintainability	Related RDT&E PEs: 0604233F
---	---	--

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1:</i> Model A Kits (6)												
B Kits												
Recurring												
Model A Kits:EQUIPMENT Group B (Active)	- / -	- / -	- / -	53 / 4.120	- / -	53 / 4.120	156 / 13.106	156 / 12.367	120 / 12.553	34 / 6.720	- / -	519 / 48.866
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 4.120	- / -	- / 4.120	- / 13.106	- / 12.367	- / 12.553	- / 6.720	- / -	- / 48.866
<i>Subtotal: Model A Kits (6)</i>	- / -	- / -	- / -	- / 4.120	- / -	- / 4.120	- / 13.106	- / 12.367	- / 12.553	- / 6.720	- / -	- / 48.866
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 4.120	- / -	- / 4.120	- / 13.106	- / 12.367	- / 12.553	- / 6.720	- / -	- / 48.866
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	-	-	-	4.120	-	4.120	13.106	12.367	12.553	6.720	-	48.866

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: JPAT00 / T-6	Modification Number / Title: 9877 / Avionics Upgrades FAA Compliance

Modification Item 1 of 1: Model A Kits (6)

Manufacturer Information

Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>): 2				Production Leadtime (<i>in Months</i>): 6			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Jun 2016	Jun 2017	Jun 2018	Jun 2019	Jun 2020
Delivery Dates			Dec 2016	Dec 2017	Dec 2018	Dec 2019	Dec 2020

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 445
---	-----------------------------------

--

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: JPAT00 / T-6	Modification Number / Title: 9878 / Aircrew Training Device (ATD) Digital Acquisition System (DAS-II) and Electronic Control Loading ...

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	5.972	-	5.972	7.188	3.648	-	-	-	16.808
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	5.972	-	5.972	7.188	3.648	-	-	-	16.808
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	5.972	-	5.972	7.188	3.648	-	-	-	16.808
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Due to multiple system hardware and software obsolescence issues, many elements of the legacy T-6A/B Joint Primary Aircraft Pilot Training System (JPATS) Aircrew Training Devices (ATDs) have limited supportability and must be replaced before student training is impacted. These ATD Systems include the Electronic Control Loading System (ECLS), Flight Deck I/O, Aural Cueing System (ACS), Image Generator System (IGS), and Instructor Operating Station (IOS). This mod incorporates the DoD requirement to migrate all ATD Platform Operating Systems to Windows 7 or better. This effort will develop a new joystick and throttle for the IOS which will significantly enhance student training by keeping the pilot and navigation students in the roles that proper training requires. Finally, these modifications will improve the reliability, maintainability, and availability (RM&A) of the JPATS ATDs.

Milestone/Development Status

Development for this effort to begin in FY2015.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	5.972	-	5.972	7.188	3.648	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	5.972	-	5.972	7.188	3.648	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: JPAT00 / T-6	Modification Number / Title: 9878 / Aircrew Training Device (ATD) Digital Acquisition System (DAS-II) and Electronic Control Loading ...

Models of Systems Affected: T-6A	Modification Type: Capability Improvement	Related RDT&E PEs: 0604233F
---	--	--

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1:</i> ATD DASII Kit												
B Kits												
Recurring												
ATD DASII Kit:EQUIPMENT Group B (Active)	- / -	- / -	- / -	24 / 3.704	- / -	24 / 3.704	46 / 5.888	3 / 2.748	- / -	- / -	- / -	73 / 12.340
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 3.704	- / -	- / 3.704	- / 5.888	- / 2.748	- / -	- / -	- / -	- / 12.340
<i>Subtotal: ATD DASII Kit</i>	- / -	- / -	- / -	- / 3.704	- / -	- / 3.704	- / 5.888	- / 2.748	- / -	- / -	- / -	- / 12.340
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 3.704	- / -	- / 3.704	- / 5.888	- / 2.748	- / -	- / -	- / -	- / 12.340
Support (All Modification Items)												
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / 1.968	- / -	- / 1.968	- / 1.000	- / 0.600	- / -	- / -	- / -	- / 3.568
OGC	- / -	- / -	- / -	- / 0.300	- / -	- / 0.300	- / 0.300	- / 0.300	- / -	- / -	- / -	- / 0.900
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 2.268	- / -	- / 2.268	- / 1.300	- / 0.900	- / -	- / -	- / -	- / 4.468
Installation												
<i>Modification Item 1 of 1:</i> ATD DASII Kit	- / -	- / -	- / -	16 / -	- / -	16 / -	46 / -	11 / -	- / -	- / -	- / -	73 / -
<i>Subtotal: Installation</i>	- / -	- / -	- / -	16 / -	- / -	16 / -	46 / -	11 / -	- / -	- / -	- / -	73 / -
Total												
Total Cost (Procurement + Support + Installation)	-	-	-	5.972	-	5.972	7.188	3.648	-	-	-	16.808

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: JPAT00 / T-6	Modification Number / Title: 9878 / Aircrew Training Device (ATD) Digital Acquisition System (DAS-II) and Electronic Control Loading ...

Modification Item 1 of 1: ATD DASII Kit

Manufacturer Information

Manufacturer Name: Flight Safety Services	Manufacturer Location: Centennial, CO
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 2

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	16 / -	- / -	16 / -	8 / -	- / -	- / -	- / -	- / -	24 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	38 / -	8 / -	- / -	- / -	- / -	46 / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / -	- / -	- / -	- / -	3 / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	16 / -	- / -	16 / -	46 / -	11 / -	- / -	- / -	- / -	73 / -

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	4	12	12	11	12	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73
Out	0	-	-	-	-	-	-	-	-	-	-	4	12	12	11	12	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	P-1 Line Item Number / Title: T00100 / T-1
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0804741F	Other Related Program Elements:
---	--	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	30.983	0.277	7.650	23.706	-	23.706	25.297	39.977	40.715	41.402	111.629	321.636
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	30.983	0.277	7.650	23.706	-	23.706	25.297	39.977	40.715	41.402	111.629	321.636
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	30.983	0.277	7.650	23.706	-	23.706	25.297	39.977	40.715	41.402	111.629	321.636

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

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

Description:

This line item funds modifications to the T-1A aircraft. The T-1A is a missionized Beech 400A used in the Airlift/Tanker track of USAF Specialized Undergraduate Pilot Training (SUPT) and in Combat Systems Officer (CSO) training for Air Education and Training Command (AETC). It is powered by two Pratt and Whitney JT15D-5 turbofan engines mounted on the aft fuselage producing 2,900 pounds of thrust each. Avionics include Ultra High Frequency (UHF) and Very High Frequency (VHF) radios, Inertial Navigation System (INS), Tactical Air Navigation (TACAN), Airborne Direction Finder (ADF), and two Very High Frequency Omni Range/Instrument Landing System (VOR/ILS). Aircraft modified for CSO training include a Global Positioning System (GPS)-driven synthetic radar and simulated Radar Warning Receiver (RWR) in the right seat flight deck position to be utilized by the student CSO. A second student station and a second instructor station have also been added in the rear of the aircraft. There are 178 T-1A aircraft in the inventory. Design service life is 18,000 flight hours. Based on current usage, that threshold will be reached in approximately 2032. The primary effort in FY2016 is the Avionics Modification.

Funding for this exhibit contained in PE 0804741F.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	P-1 Line Item Number / Title: T00100 / T-1
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0804741F	Other Related Program Elements:
---	--	--

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / COMBAT SYSTEMS OFFICER (CSO) TRAINING (Capability Improvement)	P-40a***		- / 30.205	- / -	- / -	- / -	- / -	- / -
2 / LOW COST MODIFICATIONS (Reliability & Maintainability)	P-40a***		- / 0.778	- / 0.277	- / 0.288	- / 0.296	- / -	- / 0.296
8997 / Avionics Modification (Capability Improvement)	P-3a		- / -	- / -	- / 7.362	- / 23.410	- / -	- / 23.410
Total Gross/Weapon System Cost			- / 30.983	- / 0.277	- / 7.650	- / 23.706	- / -	- / 23.706

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / COMBAT SYSTEMS OFFICER (CSO) TRAINING (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 30.205
2 / LOW COST MODIFICATIONS (Reliability & Maintainability)	P-40a***		- / 0.300	- / 0.305	- / 0.310	- / 0.316	- / -	- / 2.870
8997 / Avionics Modification (Capability Improvement)	P-3a		- / 24.997	- / 39.672	- / 40.405	- / 41.086	- / 111.629	- / 288.561
Total Gross/Weapon System Cost			- / 25.297	- / 39.977	- / 40.715	- / 41.402	- / 111.629	- / 321.636

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T00100 / T-1	Modification Number / Title: 8997 / Avionics Modification
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	7.362	23.410	-	23.410	24.997	39.672	40.405	41.086	111.629	288.561
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	7.362	23.410	-	23.410	24.997	39.672	40.405	41.086	111.629	288.561
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	7.362	23.410	-	23.410	24.997	39.672	40.405	41.086	111.629	288.561
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	0.742	-	0.742	0.745	0.749	0.750	-	15.238	18.224
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The T-1A is a commercial-off-the shelf aircraft acquired in the mid-1990s. There have been no upgrades to its avionics suite since completion of the acquisition. The T-1A fleet's avionics components suffer from obsolescence and diminishing manufacturing capability issues. This upgrade will address these issues on components such as Multi-Function Displays (MFD), attitude head computers, Terrain Collision Avoidance Systems (TCAS), and flux detectors in both aircraft and simulators.

Milestone/Development Status

Integration of Commercial Off the Shelf (COTS) components to be completed with Non-Recurring Engineering (NRE).

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4					P-1 Line Item Number / Title: T00100 / T-1					Modification Number / Title: 8997 / Avionics Modification			
Models of Systems Affected: T-1A				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1: T-1A Avionics Replacement Kit (ARK)</i>													
A Kits													
Recurring													
T-1A Avionics Replacement Kit (ARK):INSTALL KITS Group A (Active)	- / -	- / -	- / -	10 / 2.561	- / -	10 / 2.561	16 / 4.258	27 / 7.222	27 / 7.344	25 / 6.969	73 / 19.950	178 / 48.304	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 2.561	- / -	- / 2.561	- / 4.258	- / 7.222	- / 7.344	- / 6.969	- / 19.950	- / 48.304	
B Kits													
Recurring													
T-1A Avionics Replacement Kit (ARK):EQUIPMENT Group B (Active)	- / -	- / -	- / -	10 / 8.575	- / -	10 / 8.575	16 / 14.256	27 / 24.177	27 / 24.588	25 / 23.330	73 / 66.788	178 / 161.714	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 8.575	- / -	- / 8.575	- / 14.256	- / 24.177	- / 24.588	- / 23.330	- / 66.788	- / 161.714	
<i>Subtotal: T-1A Avionics Replacement Kit (ARK)</i>	- / -	- / -	- / -	- / 11.136	- / -	- / 11.136	- / 18.514	- / 31.399	- / 31.932	- / 30.299	- / 86.738	- / 210.018	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 11.136	- / -	- / 11.136	- / 18.514	- / 31.399	- / 31.932	- / 30.299	- / 86.738	- / 210.018	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / 5.857	- / 7.798	- / -	- / 7.798	- / 1.120	- / -	- / -	- / -	- / -	- / 14.775	
Change Orders	- / -	- / -	- / -	- / 0.367	- / -	- / 0.367	- / 0.175	- / 0.122	- / 0.141	- / 0.215	- / 0.582	- / 1.602	
Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.731	- / -	- / 2.731	
PMA - Other Gov't Costs	- / -	- / -	- / 1.505	- / 1.469	- / -	- / 1.469	- / 0.699	- / 0.494	- / 0.565	- / 0.806	- / 2.277	- / 7.815	
<i>Subtotal: Support</i>	- / -	- / -	- / 7.362	- / 9.634	- / -	- / 9.634	- / 1.994	- / 0.616	- / 0.706	- / 3.752	- / 2.859	- / 26.923	
Installation													
<i>Modification Item 1 of 1: T-1A Avionics Replacement Kit (ARK)</i>	- / -	- / -	- / -	10 / 2.640	- / -	10 / 2.640	16 / 4.489	27 / 7.657	27 / 7.767	25 / 7.035	73 / 22.032	178 / 51.620	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	10 / 2.640	- / -	10 / 2.640	16 / 4.489	27 / 7.657	27 / 7.767	25 / 7.035	73 / 22.032	178 / 51.620	
Total													
Total Cost (Procurement + Support + Installation)	-	-	7.362	23.410	-	23.410	24.997	39.672	40.405	41.086	111.629	288.561	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T00100 / T-1	Modification Number / Title: 8997 / Avionics Modification

Modification Item 1 of 1: T-1A Avionics Replacement Kit (ARK)

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 1

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	10 / 2.640	- / -	10 / 2.640	- / -	- / -	- / -	- / -	- / -	10 / 2.640
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	16 / 4.489	- / -	- / -	- / -	- / -	16 / 4.489
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 7.657	- / -	- / -	- / -	27 / 7.657
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 7.767	- / -	- / -	27 / 7.767
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 7.035	- / -	25 / 7.035
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	73 / 22.032	73 / 22.032
Total	- / -	- / -	- / -	10 / 2.640	- / -	10 / 2.640	16 / 4.489	27 / 7.657	27 / 7.767	25 / 7.035	73 / 22.032	178 / 51.620

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	2	-	4	4	4	4	4	4	7	7	7	6	7	7	7	6	6	7	6	6	73	178
Out	0	-	-	-	-	-	-	-	-	-	-	2	4	4	4	4	4	4	7	7	7	6	7	7	7	6	6	7	6	79	178

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	P-1 Line Item Number / Title: T03800 / T-38
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604233F
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	220.132	19.334	28.845	30.604	-	30.604	41.977	28.372	25.562	25.992	-	420.818
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	220.132	19.334	28.845	30.604	-	30.604	41.977	28.372	25.562	25.992	-	420.818
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	220.132	19.334	28.845	30.604	-	30.604	41.977	28.372	25.562	25.992	-	420.818

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

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

Description:

The T-38 is a twin engine, two seat (tandem), supersonic jet trainer used by Air Education Training Command as an advanced trainer in Specialized Undergraduate Pilot Training. Modifications are budgeted to enhance operational capability while improving flight safety, reliability, and maintainability. There are currently 508 T-38s in the Air Force inventory (54 T-38A, 6 AT-38B and 448 T-38C). T-38s first entered service in 1962 and average over 44 years old. The T-38 was designed with a 7,000 hour service life. Aircraft are now in their third service life and are sustained by upgrades and service life extensions.

Funding for this exhibit contained in PE 0804741F.

The FY2016 funding request was reduced by \$8.1 million to account for the availability of prior execution balances.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	P-1 Line Item Number / Title: T03800 / T-38
--	---

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0604233F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / T-38 ESCAPE SYSTEM UPGRADE (Service Life Extension)	P-40a***		- / 158.612	- / -	- / -	- / -	- / -	- / -
2 / VDTS/SBIS (Capability Improvement)	P-40a***		- / 4.500	- / 1.500	- / 1.454	- / -	- / -	- / -
3 / LOW COST SAFETY MODIFICATIONS (Safety)	P-40a***		- / 0.019	- / 0.005	- / 0.005	- / 0.005	- / -	- / 0.005
4 / LOW COST MODIFICATIONS (Service Life Extension)	P-40a***		- / 0.020	- / 0.005	- / 0.006	- / 0.006	- / -	- / 0.006
6088 / Pacer Classic III (Service Life Extension)	P-3a		- / 56.981	- / 17.824	- / 27.380	- / 24.486	- / -	- / 24.486
6090 / T-38C Avionics Post Production Support (APPS) (Reliability & Maintainability)	P-3a		- / -	- / -	- / -	- / 6.107	- / -	- / 6.107
Total Gross/Weapon System Cost			- / 220.132	- / 19.334	- / 28.845	- / 30.604	- / -	- / 30.604

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / T-38 ESCAPE SYSTEM UPGRADE (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 158.612
2 / VDTS/SBIS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 7.454
3 / LOW COST SAFETY MODIFICATIONS (Safety)	P-40a***		- / 0.005	- / 0.005	- / 0.005	- / 0.005	- / -	- / 0.054
4 / LOW COST MODIFICATIONS (Service Life Extension)	P-40a***		- / 0.006	- / 0.006	- / 0.006	- / 0.006	- / -	- / 0.061
6088 / Pacer Classic III (Service Life Extension)	P-3a		- / 31.423	- / 25.778	- / 22.990	- / 23.375	- / -	- / 230.237
6090 / T-38C Avionics Post Production Support (APPS) (Reliability & Maintainability)	P-3a		- / 10.543	- / 2.583	- / 2.561	- / 2.606	- / -	- / 24.400
Total Gross/Weapon System Cost			- / 41.977	- / 28.372	- / 25.562	- / 25.992	- / -	- / 420.818

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4				P-1 Line Item Number / Title: T03800 / T-38				Modification Number / Title: 6088 / Pacer Classic III				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	56.981	17.824	27.380	24.486	-	24.486	31.423	25.778	22.990	23.375	-	230.237
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	56.981	17.824	27.380	24.486	-	24.486	31.423	25.778	22.990	23.375	-	230.237
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	56.981	17.824	27.380	24.486	-	24.486	31.423	25.778	22.990	23.375	-	230.237

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Pacer Classic III (PC III) is a depot-level modification program which replaces known life-limited components and ensures structural sustainment of 125 T-38C aircraft at high risk of grounding. Timely modifications will ensure execution of the Air Education and Training Command (AETC) advanced undergraduate pilot training mission to FY26. PC III will replace major structural components within the aircraft fuselage including major longerons, bulkhead/formers, internal skins and structural floors. These modifications have been categorized as Safety of Flight and determined by HQ Air Force Materiel Command to be required to correct material deficiencies to ensure safety of personnel, systems or equipment. If uncorrected, the hazard will ground the system or equipment, restrict flight or ground operations, or result in unacceptable risk to personnel. The T-38 System Program Office (SPO), funded AF and Euro NATO Joint Jet Pilot Training (ENJJPT), is managing the PC III structural retrofit. PC III program requirements are documented in Air Force Form 1067: AETC 2009-002. PC III installations will be performed by the 309 Maintenance Wing (MXW) Forward Operating Location (FOL) at Randolph AFB, TX.

Milestone/Development Status

Not applicable -- PC III is a form, fit and function replacement of aircraft structural components.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4					P-1 Line Item Number / Title: T03800 / T-38					Modification Number / Title: 6088 / Pacer Classic III			
Models of Systems Affected: T-38				Modification Type: Service Life Extension				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total 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: Aircraft Modification Kits</i>													
A Kits													
Recurring													
Aircraft Modification Kits:INSTALL KITS Group A (Active)	51 / 19.432	14 / 5.600	20 / 8.000	17 / 6.800	- / -	17 / 6.800	14 / 5.600	9 / 3.600	- / -	- / -	- / -	125 / 49.032	
<i>Subtotal: Recurring</i>	- / 19.432	- / 5.600	- / 8.000	- / 6.800	- / -	- / 6.800	- / 5.600	- / 3.600	- / -	- / -	- / -	- / 49.032	
<i>Subtotal: Aircraft Modification Kits</i>	- / 19.432	- / 5.600	- / 8.000	- / 6.800	- / -	- / 6.800	- / 5.600	- / 3.600	- / -	- / -	- / -	- / 49.032	
<i>Subtotal: Procurement, All Modification Items</i>	- / 19.432	- / 5.600	- / 8.000	- / 6.800	- / -	- / 6.800	- / 5.600	- / 3.600	- / -	- / -	- / -	- / 49.032	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	0 / 18.541	- / 0.750	- / 0.750	- / 0.750	- / -	- / 0.750	- / 0.750	- / 0.750	- / 0.750	- / 10.554	- / -	- / 33.595	
OTHER GOVT	- / 12.263	- / 0.240	- / 1.220	- / 0.322	- / -	- / 0.322	- / 0.805	- / -	- / -	- / -	- / -	- / 14.850	
PMA - Contractor Services	- / 1.654	- / 0.400	- / 0.600	- / 0.620	- / -	- / 0.620	- / 0.630	- / -	- / -	- / -	- / -	- / 3.904	
PMA - Other Gov't Costs	- / 0.750	- / 0.240	- / 0.040	- / 0.040	- / -	- / 0.040	- / 0.040	- / 0.040	- / 0.050	- / 0.050	- / -	- / 1.250	
<i>Subtotal: Support</i>	0 / 33.208	- / 1.630	- / 2.610	- / 1.732	- / -	- / 1.732	- / 2.225	- / 0.790	- / 0.800	- / 10.604	- / -	- / 53.599	
Installation													
<i>Modification Item 1 of 1: Aircraft Modification Kits</i>	2 / 4.341	10 / 10.594	16 / 16.770	15 / 15.954	- / -	15 / 15.954	22 / 23.598	22 / 21.388	22 / 22.190	16 / 12.771	- / -	125 / 127.606	
<i>Subtotal: Installation</i>	2 / 4.341	10 / 10.594	16 / 16.770	15 / 15.954	- / -	15 / 15.954	22 / 23.598	22 / 21.388	22 / 22.190	16 / 12.771	- / -	125 / 127.606	
Total													
Total Cost (Procurement + Support + Installation)	56.981	17.824	27.380	24.486	-	24.486	31.423	25.778	22.990	23.375	-	230.237	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T03800 / T-38	Modification Number / Title: 6088 / Pacer Classic III

Modification Item 1 of 1: Aircraft Modification Kits

Manufacturer Information

Manufacturer Name: Northrop Grumman Tech Services	Manufacturer Location: Herndon, VA
Administrative Leadtime (in Months): 9	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 4.341	10 / 10.594	16 / 16.770	15 / 15.954	- / -	15 / 15.954	8 / 8.581	- / -	- / -	- / -	- / -	51 / 56.240
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	14 / 15.017	- / -	- / -	- / -	- / -	14 / 15.017
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 19.193	- / -	- / -	- / -	20 / 19.193
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.195	15 / 14.332	- / -	- / -	17 / 16.527
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 7.858	7 / 5.230	- / -	14 / 13.088
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 7.541	- / -	9 / 7.541
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 4.341	10 / 10.594	16 / 16.770	15 / 15.954	- / -	15 / 15.954	22 / 23.598	22 / 21.388	22 / 22.190	16 / 12.771	- / -	125 / 127.606

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	10	4	4	4	4	4	4	4	3	6	5	6	5	6	6	5	5	6	5	6	5	5	5	3	3	-	125
Out	0	-	-	-	2	4	6	4	4	4	4	4	4	4	3	6	5	6	6	5	5	6	5	6	5	6	5	5	5	6	125

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4				P-1 Line Item Number / Title: T03800 / T-38				Modification Number / Title: 6090 / T-38C Avionics Post Production Support (APPS)				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	6.107	-	6.107	10.543	2.583	2.561	2.606	-	24.400
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	6.107	-	6.107	10.543	2.583	2.561	2.606	-	24.400
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	6.107	-	6.107	10.543	2.583	2.561	2.606	-	24.400
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

T-38C Avionics Post production Support (APPS) Avionics Component Integration (AvCI) AvCI is the current T-38C solution for the obsolescence issues associated with the legacy Avionics System. Development of the T-38C Avionics Upgrade Program (AUP), which provided a glass cockpit upgrade to the T-38, began in the early 1990s. The AUP program leveraged Commercial-Off The-Shelf (COTS) and Non-Developmental Item (NDI) technology. The COTS/NDI equipment is 20 to 30 years old and is plagued by severe obsolescence issues. This program will develop and integrate solutions to the avionics system obsolescence issues in a phased approach. Solution development will focus on a Form-Fit-Function Interface (F3I) design approach. The F3I approach will allow the program to capitalize on new technology while reducing system integration costs. This program will address the obsolescence issues to ensure the aircraft will meet the current life-cycle target and continue to support the AETC pilot training mission. The total number of equipment items to be acquired exceeds the actual number of aircraft to be modified since some aircraft will receive multiple items of equipment based on the projected remaining usable life of the aircraft. Procurement The current projection is a quantity of 200 units. Procurement of Very High Frequency Radio, Very High Frequency Navigation Unit and the ADS-B equipment will begin the FY2017. Heads-Up Display system procurement begins in FY2018 and the Mission Display processor procurement will begin in FY2019. The contract has not been awarded and schedules will be updated based on mission need and industry capability. Manufacturer information for the components are unknown at this time. Contract expected to be awarded in 2015.

Milestone/Development Status

Development is currently in the research and planning phase. Contract award is expected in the 3rd or 4th quarter FY15.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T03800 / T-38	Modification Number / Title: 6090 / T-38C Avionics Post Production Support (APPS)

Models of Systems Affected: T-38	Modification Type: Reliability & Maintainability	Related RDT&E PEs: 0604233F
---	---	--

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)

Procurement												
Modification Item 1 of 4: Heads-Up Display System												
B Kits												
Recurring												
Heads-Up Display System:EQUIPMENT Group B (Active)	- / -	- / -	- / -	14 / 4.498	- / -	14 / 4.498	19 / 5.893	8 / 2.583	8 / 2.561	8 / 2.606	- / -	57 / 18.141
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 4.498	- / -	- / 4.498	- / 5.893	- / 2.583	- / 2.561	- / 2.606	- / -	- / 18.141
<i>Subtotal: Heads-Up Display System</i>	- / -	- / -	- / -	- / 4.498	- / -	- / 4.498	- / 5.893	- / 2.583	- / 2.561	- / 2.606	- / -	- / 18.141
Modification Item 2 of 4: Mission Display Processor												
B Kits												
Recurring												
Mission Display Processor:EQUIPMENT Group B (Active)	- / -	- / -	- / -	- / -	- / -	- / -	16 / 3.041	- / -	- / -	- / -	- / -	16 / 3.041
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.041	- / -	- / -	- / -	- / -	- / 3.041
<i>Subtotal: Mission Display Processor</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.041	- / -	- / -	- / -	- / -	- / 3.041
Modification Item 3 of 4: VHF Communication Radio												
B Kits												
Recurring												
VHF Communication Radio:EQUIPMENT Group B (Active)	- / -	- / -	- / -	67 / 1.552	- / -	67 / 1.552	67 / 1.552	- / -	- / -	- / -	- / -	134 / 3.104
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.552	- / -	- / 1.552	- / 1.552	- / -	- / -	- / -	- / -	- / 3.104
<i>Subtotal: VHF Communication Radio</i>	- / -	- / -	- / -	- / 1.552	- / -	- / 1.552	- / 1.552	- / -	- / -	- / -	- / -	- / 3.104
Modification Item 4 of 4: VHF Navigation Receiver												
B Kits												
Recurring												
VHF Navigation Receiver:EQUIPMENT Group B (Active)	- / -	- / -	- / -	67 / 0.057	- / -	67 / 0.057	67 / 0.057	- / -	- / -	- / -	- / -	134 / 0.114
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.057	- / -	- / 0.057	- / 0.057	- / -	- / -	- / -	- / -	- / 0.114
<i>Subtotal: VHF Navigation Receiver</i>	- / -	- / -	- / -	- / 0.057	- / -	- / 0.057	- / 0.057	- / -	- / -	- / -	- / -	- / 0.114
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 6.107	- / -	- / 6.107	- / 10.543	- / 2.583	- / 2.561	- / 2.606	- / -	- / 24.400

Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Total	-	-	-	-	-	-	-	-	-	-	-	-
--------------	---	---	---	---	---	---	---	---	---	---	---	---

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T03800 / T-38	Modification Number / Title: 6090 / T-38C Avionics Post Production Support (APPS)

Models of Systems Affected: T-38	Modification Type: Reliability & Maintainability	Related RDT&E PEs: 0604233F
---	---	--

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Total Cost (Procurement + Support + Installation)	-	-	-	6.107	-	6.107	10.543	2.583	2.561	2.606	-	24.400

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T03800 / T-38	Modification Number / Title: 6090 / T-38C Avionics Post Production Support (APPS)

Modification Item 1 of 4: Heads-Up Display System

Manufacturer Information

Manufacturer Name: Unknown				Manufacturer Location: Unknown			
Administrative Leadtime (<i>in Months</i>): 0				Production Leadtime (<i>in Months</i>): 0			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 0
---	---------------------------------

--	--

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T03800 / T-38	Modification Number / Title: 6090 / T-38C Avionics Post Production Support (APPS)

Modification Item 2 of 4: Mission Display Processor

Manufacturer Information

Manufacturer Name: Unknown				Manufacturer Location: Unknown			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 0
---	---------------------------------

--	--

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T03800 / T-38	Modification Number / Title: 6090 / T-38C Avionics Post Production Support (APPS)

Modification Item 3 of 4: VHF Communication Radio

Manufacturer Information

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 0

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 0
---	---------------------------------

--

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T03800 / T-38	Modification Number / Title: 6090 / T-38C Avionics Post Production Support (APPS)

Modification Item 4 of 4: VHF Navigation Receiver

Manufacturer Information

Manufacturer Name: Unknown				Manufacturer Location: Unknown			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 0
---	---------------------------------

--	--

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: 11U200 / U-2 Mods
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0305202F	Other Related Program Elements: 0305202F
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	46.800	49.547	-	22.095	-	22.095	36.396	26.803	7.535	-	-	189.176
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	46.800	49.547	-	22.095	-	22.095	36.396	26.803	7.535	-	-	189.176
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	46.800	49.547	-	22.095	-	22.095	36.396	26.803	7.535	-	-	189.176

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

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

Description:

The Central Intelligence Agency (CIA) established the Senior Year Program in 1955. The program has evolved significantly over the years to include the U-2 airframe, engines, sensors, cameras, recorders, data links, life support systems, test facilities and equipment. The U-2S model airframes were constructed in the late 1980s, with the last aircraft rolling off the assembly line in 1989. The U-2S provides global reconnaissance signals intelligence (SIGINT) and geospatial intelligence (GEOINT) 24 hours a day, seven days a week in support of national and DoD worldwide missions. The U-2 is currently deployed to forward operating locations (FOL) around the world. Modifications to the aircraft are required to ensure continued operational effectiveness in support of Combatant Commander Requirements and in accordance with previous NDAA guidance.

In the 2013 PB, the Air Force decided to retain the U-2 weapon system instead of retiring it. At that time sustainment efforts and capability upgrades to the platform and sensors were pursued to support National and Combatant Commander requirements.

In the 2015 PB, the Air Force decided to retire the U-2 in 2016. In accordance with 10 U.S.C. 2244a, the U-2 weapon system is identified as Equipment Scheduled For Retirement Or Disposal: Limitation On Expenditures For Modifications, stating that modification to any aircraft (i.e., a given tail number, weapon, or item of equipment that the SECAF plans to retire or otherwise dispose of within 5 years after the date on which the modification would be completed) are prohibited.

In the 2016 PB, the Air Force re-phases U-2 divestiture to begin in FY2019 and to complete no later than FY2020. In accordance with 10 U.S.C. 2244a, the Secretary of the Air Force may waive the prohibition on modifications if the Secretary determines that carrying out the modification is in the national security interest of the United States. Therefore, modifications required to address sustainment issues (diminishing manufacturing sources, vanishing vendor items) or operational utility may be submitted to the Secretary for approval to ensure operational effectiveness and to comply with guidance received in previous and current NDAs for the timeframe of phased divestiture.

The U-2 Program will continue to address reliability, maintainability, sustainability, and safety issues and support U-2 integration of payloads and capabilities by taking prudent acquisition actions to meet operational requirements, comply with previous NDAA guidance, and IAW 10 U.S.C. Prudent acquisition activities also include trade studies, analyses, preliminary systems engineering, system and subsystem level testing in accordance with DoD and military standards, and specification development in support of both current program planning and execution as well as studies supporting analysis and investment in future U-2 program planning.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: 11U200 / U-2 Mods
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0305202F	Other Related Program Elements: 0305202F

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
11U200 / U-2 Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0305202F **Other Related Program Elements:** 0305202F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
4494 / U-2 Mod (Other)	P-3a		- / 46.800	- / 49.547	- / -	- / 22.095	- / -	- / 22.095
Total Gross/Weapon System Cost			- / 46.800	- / 49.547	- / -	- / 22.095	- / -	- / 22.095

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
4494 / U-2 Mod (Other)	P-3a		- / 36.396	- / 26.803	- / 7.535	- / -	- / -	- / 189.176
Total Gross/Weapon System Cost			- / 36.396	- / 26.803	- / 7.535	- / -	- / -	- / 189.176

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

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

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: 11U200 / U-2 Mods				Modification Number / Title: 4494 / U-2 Mod				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	46.800	49.547	-	22.095	-	22.095	36.396	26.803	7.535	-	-	189.176
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	46.800	49.547	-	22.095	-	22.095	36.396	26.803	7.535	-	-	189.176
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	46.800	49.547	-	22.095	-	22.095	36.396	26.803	7.535	-	-	189.176

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The U-2 Program will continue to address reliability, maintainability, sustainability, and safety issues and support U-2 integration of payloads and capabilities by taking prudent acquisition actions to meet operational requirements, comply with previous NDAA guidance, and in accordance with 10 U.S.C. Aircraft and sensor sustainment or enhancements include activities such as, but not limited to the following current programs:

- Advanced Synthetic Aperture Radar System (ASARS) sustainment, development, integration and testing to mitigate diminishing manufacturing sources (DMS) and to support collection capability and capacity requirements to meet global ISR requirements. (i.e. ASARS-2B effort).
- Senior Year Electro-optical Reconnaissance System (SYERS) sustainment and enhancements to optics and focal planes in support of operational requirements (i.e., SYERS-2C).
- AN/ALQ-221 Electronic Warfare System sustainment and enhancements to mitigate DMS and to defend against current and emerging threat systems (i.e. AN/ALQ-221 LBPU).
- Data Link sustainment: Development, integration and test of beyond line of sight (BLOS) and tactical data links in support of operational sustainment and mitigate DMS.
- Airframe, avionics, mission planning, and navigational (to include GPS) programs to mitigate DMS concerns and to support operational capability and capacity requirements.
- AN/ASQ-230 SIGINT system sustainment, test and integration to meet operational requirements.

Various efforts will continue to develop technologies and capabilities for transition to other programs within the DoD.

Milestone/Development Status

Various efforts will continue to develop technologies and capabilities supporting U-2 operations, and will be fielded onto the U-2 platforms, on a schedule dependent on system requirements.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: 11U200 / U-2 Mods					Modification Number / Title: 4494 / U-2 Mod			
Models of Systems Affected: U-2				Modification Type: Other				Related RDT&E PEs: 0305202F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0305202F	- / 21.670	- / 13.700	- / 5.511	- / 34.471	- / -	- / 34.471	- / 17.414	- / 6.942	- / 1.487	- / -	- / -	- / 101.195	
Procurement													
<i>Modification Item 1 of 1: U-2 Update Block 20-1</i>													
A Kits													
Recurring													
U-2 Update Block 20-1:INSTALL KITS Group A (Active)	0 / 46.800	- / 49.547	- / -	2 / 19.395	- / -	2 / 19.395	2 / 32.896	2 / 23.103	1 / 5.835	- / -	- / -	7 / 177.576	
<i>Subtotal: Recurring</i>	- / 46.800	- / 49.547	- / -	- / 19.395	- / -	- / 19.395	- / 32.896	- / 23.103	- / 5.835	- / -	- / -	- / 177.576	
<i>Subtotal: U-2 Update Block 20-1</i>	- / 46.800	- / 49.547	- / -	- / 19.395	- / -	- / 19.395	- / 32.896	- / 23.103	- / 5.835	- / -	- / -	- / 177.576	
<i>Subtotal: Procurement, All Modification Items</i>	- / 46.800	- / 49.547	- / -	- / 19.395	- / -	- / 19.395	- / 32.896	- / 23.103	- / 5.835	- / -	- / -	- / 177.576	
Installation													
<i>Modification Item 1 of 1: U-2 Update Block 20-1</i>	- / -	- / -	- / -	2 / 2.700	- / -	2 / 2.700	2 / 3.500	2 / 3.700	1 / 1.700	- / -	- / -	7 / 11.600	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	2 / 2.700	- / -	2 / 2.700	2 / 3.500	2 / 3.700	1 / 1.700	- / -	- / -	7 / 11.600	
Total													
Total Cost (Procurement + Support + Installation)	46.800	49.547	-	22.095	-	22.095	36.396	26.803	7.535	-	-	189.176	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: 11U200 / U-2 Mods	Modification Number / Title: 4494 / U-2 Mod

Modification Item 1 of 1: U-2 Update Block 20-1

Manufacturer Information

Manufacturer Name: Details Classified	Manufacturer Location: Details Classified
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 6

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

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	2 / 2.700	- / -	2 / 2.700	- / -	- / -	- / -	- / -	- / -	2 / 2.700
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.500	- / -	- / -	- / -	- / -	2 / 3.500
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.700	- / -	- / -	- / -	2 / 3.700
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.700	- / -	- / -	1 / 1.700
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 2.700	- / -	2 / 2.700	2 / 3.500	2 / 3.700	1 / 1.700	- / -	- / -	7 / 11.600

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	0	-	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	7
Out	0	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	7

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C01000 / KC-10A (ATCA)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401219F	Other Related Program Elements: 0401219F, 0401897F
--	---	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	133.541	48.169	77.513	5.611	-	5.611	6.162	5.730	4.762	4.841	-	286.329
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	133.541	48.169	77.513	5.611	-	5.611	6.162	5.730	4.762	4.841	-	286.329
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	133.541	48.169	77.513	5.611	-	5.611	6.162	5.730	4.762	4.841	-	286.329

(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 Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds modifications for the fleet of 59 KC-10 aircraft with a projected service life of 2045. On average, the aircraft are 29 years old with 31 service years remaining. The three engine KC-10 serves a dual role by providing both air refueling and strategic airlift support. The aircraft provides air refueling by using both the boom and the drogue methods and can carry up to 27 standard 463-L pallets. The primary modifications are Communications Navigation Surveillance/Air Traffic Management (CNS/ATM), and Service Bulletins (SBs) that address obsolescence issues, provide worldwide civil airspace accessibility and incorporate aging aircraft and FAA certification requirements.

Funding for this exhibit contained in PE 0401219F.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C01000 / KC-10A (ATCA)

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401219F **Other Related Program Elements:** 0401219F, 0401897F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / CNS/ATM (Capability Improvement)	P-40a***		- / 1.181	- / 42.183	- / 71.860	- / -	- / -	- / -
2 / Boom Control Unit (BCU) (Other)	P-40a***		- / 2.512	- / -	- / -	- / -	- / -	- / -
3 / Mode 5 (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / 0.110	- / -	- / 0.110
4 / Visual System Replacement (VSR) (Capability Improvement)	P-40a***		- / 12.723	- / -	- / -	- / -	- / -	- / -
5 / UHF SATCOM Antenna (Other)	P-40a***		- / 5.183	- / 0.724	- / 0.189	- / -	- / -	- / -
6 / GATM Phase II (Capability Improvement)	P-40a***		- / 47.925	- / -	- / -	- / -	- / -	- / -
7 / LOW COST SAFETY MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.005	- / 0.010	- / 0.001	- / 0.001	- / -	- / 0.001
8 / SERVICE BULLETINS (Service Life Extension)	P-40a***		- / 23.412	- / 5.065	- / 4.763	- / 4.900	- / -	- / 4.900
9 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 4.569	- / 0.187	- / 0.700	- / 0.600	- / -	- / 0.600
10 / SIMULATOR UPGRADE (KC-10) (No text provided.)	P-40a***		- / 36.031	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 133.541	- / 48.169	- / 77.513	- / 5.611	- / -	- / 5.611

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / CNS/ATM (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 115.224
2 / Boom Control Unit (BCU) (Other)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 2.512
3 / Mode 5 (Capability Improvement)	P-40a***		- / 4.451	- / 2.129	- / -	- / -	- / -	- / 6.690
4 / Visual System Replacement (VSR) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 12.723
5 / UHF SATCOM Antenna (Other)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 6.096
6 / GATM Phase II (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 47.925
7 / LOW COST SAFETY MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.001	- / 0.001	- / 0.001	- / -	- / -	- / 0.020
8 / SERVICE BULLETINS (Service Life Extension)	P-40a***		- / 1.610	- / 3.500	- / 4.741	- / 4.821	- / -	- / 52.812
9 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.100	- / 0.100	- / 0.020	- / 0.020	- / -	- / 6.296
10 / SIMULATOR UPGRADE (KC-10) (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 36.031
Total Gross/Weapon System Cost			- / 6.162	- / 5.730	- / 4.762	- / 4.841	- / -	- / 286.329

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C01200 / C-12
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401314F						Other Related Program Elements: 0401314F					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.876	1.960	1.980	-	1.980	2.013	2.053	2.091	2.126	-	13.099
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	0.876	1.960	1.980	-	1.980	2.013	2.053	2.091	2.126	-	13.099
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	0.876	1.960	1.980	-	1.980	2.013	2.053	2.091	2.126	-	13.099
<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 Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds low-cost modifications and service bulletins for 28 C-12 C, D, F, and J aircraft, commercial equivalent to the Beech Craft Super King Air. The C-12 is a twin-turboprop, support-airlift aircraft used to transport cargo and passengers over medium distances. The design service life is 30,000 hours with 22,000 hours remaining on the D (6), 19,000 remaining on the C (16), 17,000 on the J (4) and 10,000 on the F (2). Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

Funding for this exhibit contained in PE 0401314F.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C01200 / C-12

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / -	- / 0.376	- / 1.460	- / 1.480	- / -	- / 1.480
2 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / -	- / 0.500	- / 0.500	- / 0.500	- / -	- / 0.500
Total Gross/Weapon System Cost			- / -	- / 0.876	- / 1.960	- / 1.980	- / -	- / 1.980

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / 1.513	- / 1.553	- / 1.591	- / 1.626	- / -	- / 9.599
2 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.500	- / 0.500	- / 0.500	- / 0.500	- / -	- / 3.500
Total Gross/Weapon System Cost			- / 2.013	- / 2.053	- / 2.091	- / 2.126	- / -	- / 13.099

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C02000 / C-20 Mods
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements: 0401314F				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2.765	0.192	-	-	-	-	-	-	-	-	-	2.957
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2.765	0.192	-	-	-	-	-	-	-	-	-	2.957
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2.765	0.192	-	-	-	-	-	-	-	-	-	2.957
<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 Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds low-cost modifications and service bulletins for 7 C-20B and C-20H aircraft, commercial equivalent Gulfstream III/IV. The C-20B/H aircraft is a twin-engine, turbofan aircraft used to airlift DoD officials and high-ranking government personnel over long distances. The design service life is 20,000 hours with an average of 6,000 hours remaining. Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

The C-20 fleet was divested in FY15.

Funding for this exhibit contained in PE 0401314F.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C02000 / C-20 Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0401314F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / 0.776	- / 0.108	- / -	- / -	- / -	- / -
2 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 1.989	- / 0.084	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 2.765	- / 0.192	- / -	- / -	- / -	- / -

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.884
2 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 2.073
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / -	- / -	- / 2.957

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C02500 / VC-25A Mod
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.263	1.072	98.231	-	98.231	70.836	94.515	91.578	91.804	-	448.299
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	0.263	1.072	98.231	-	98.231	70.836	94.515	91.578	91.804	-	448.299
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	0.263	1.072	98.231	-	98.231	70.836	94.515	91.578	91.804	-	448.299

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

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

Description:

This line item funds modifications for (2) VC-25 aircraft, a commercial derivative of the Boeing 747-200. The VC-25 is a four-engine turboprop aircraft used for Presidential support worldwide. The aircraft are commonly known as "Air Force One." The design service life is 30 years, with an average of approximately 5 years remaining. These on-going modifications are to extend that service life. Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

(2) VC-25A aircraft will receive the Senior Leader Commercial Wideband SATCOM modification, which installs a non-proprietary, service provider agnostic commercial wideband SATCOM system.

(2) VC-25A aircraft will receive the Viability block upgrade, which installs Protected SATCOM, Chillers, Nitrogen Generation System, Weather Radar, digital/voice data systems, and network capabilities to ensure aircraft viability until the Presidential Aircraft Recapitalization program reaches full operational capability. This is an FY16 NEW START.

Funding for this exhibit contained in PE 0401314F

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C02500 / VC-25A Mod
---	---

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / C-25 Avionics Modernization Program (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
2 / Nitrogen Generation System (Capability Improvement)	P-40a***		- / -	- / -	- / 0.500	- / -	- / -	- / -
3 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / -	- / 0.163	- / 0.472	- / 0.131	- / -	- / 0.131
4 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / -	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.100
9714 / WIDEBAND SATCOM (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 28.000	- / -	- / 28.000
9715 / VC-25 Block Upgrade (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 70.000	- / -	- / 70.000
Total Gross/Weapon System Cost			- / -	- / 0.263	- / 1.072	- / 98.231	- / -	- / 98.231

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / C-25 Avionics Modernization Program (Capability Improvement)	P-40a***		- / 10.400	- / 14.600	- / -	- / -	- / -	- / 25.000
2 / Nitrogen Generation System (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.500
3 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / 0.240	- / 9.715	- / 9.978	- / 11.104	- / -	- / 31.803
4 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.700
9714 / WIDEBAND SATCOM (Capability Improvement)	P-3a		- / 14.000	- / 16.000	- / 13.000	- / 29.000	- / -	- / 100.000
9715 / VC-25 Block Upgrade (Capability Improvement)	P-3a		- / 46.096	- / 54.100	- / 68.500	- / 51.600	- / -	- / 290.296
Total Gross/Weapon System Cost			- / 70.836	- / 94.515	- / 91.578	- / 91.804	- / -	- / 448.299

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C02500 / VC-25A Mod	Modification Number / Title: 9714 / WIDEBAND SATCOM
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	28.000	-	28.000	14.000	16.000	13.000	29.000	-	100.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	28.000	-	28.000	14.000	16.000	13.000	29.000	-	100.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	28.000	-	28.000	14.000	16.000	13.000	29.000	-	100.000
<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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification installs wide-band SATCOM communications infrastructure on Air Force VC-25A aircraft. This modification replaces Boeing Broadband SATCOM Network with an open architecture high-speed data transmission/reception and live TV system. This modification provides the President of the United States with access to worldwide breaking news/situational events as required by the VC-25 Presidential Data System Operational Requirements Document and the Airborne Information Management System Capabilities Development Document.

Milestone/Development Status

Commercial-off-the-shelf item with non-recurring engineering for integration

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: C02500 / VC-25A Mod					Modification Number / Title: 9714 / WIDEBAND SATCOM			
Models of Systems Affected: VC-25A				Modification Type: Capability Improvement				Related RDT&E PEs: 0401314F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Wideband</i>													
A Kits													
Recurring													
Wideband:INSTALL KITS Group A (Active)													
	-	-	-	1 / 5.000	-	1 / 5.000	-	-	-	-	-	1 / 5.000	
<i>Subtotal: Recurring</i>													
	-	-	-	- / 5.000	-	- / 5.000	-	-	-	-	-	- / 5.000	
B Kits													
Recurring													
Wideband:EQUIPMENT Group B (Active)													
	-	-	-	1 / 5.000	-	1 / 5.000	-	-	-	-	-	1 / 5.000	
<i>Subtotal: Recurring</i>													
	-	-	-	- / 5.000	-	- / 5.000	-	-	-	-	-	- / 5.000	
<i>Subtotal: Wideband</i>													
	-	-	-	- / 10.000	-	- / 10.000	-	-	-	-	-	- / 10.000	
<i>Subtotal: Procurement, All Modification Items</i>													
	-	-	-	- / 10.000	-	- / 10.000	-	-	-	-	-	- / 10.000	
Support (All Modification Items)													
Data													
	-	-	-	- / 11.000	-	- / 11.000	-	-	-	-	-	- / 11.000	
PMA - Other Gov't Costs													
	-	-	-	- / 0.500	-	- / 0.500	-	-	-	-	-	- / 0.500	
OTHER GOVT													
	-	-	-	- / 12.000	-	- / 12.000	- / 14.000	- / 16.000	- / 13.000	- / 29.000	-	- / 84.000	
<i>Subtotal: Support</i>													
	-	-	-	- / 13.500	-	- / 13.500	- / 14.000	- / 16.000	- / 13.000	- / 29.000	-	- / 85.500	
Installation													
<i>Modification Item 1 of 1: Wideband</i>													
	-	-	-	1 / 4.500	-	1 / 4.500	-	-	-	-	-	1 / 4.500	
<i>Subtotal: Installation</i>													
	-	-	-	1 / 4.500	-	1 / 4.500	-	-	-	-	-	1 / 4.500	
Total													
Total Cost (Procurement + Support + Installation)													
	-	-	-	28.000	-	28.000	14.000	16.000	13.000	29.000	-	100.000	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C02500 / VC-25A Mod	Modification Number / Title: 9714 / WIDEBAND SATCOM

Modification Item 1 of 1: Wideband

Manufacturer Information

Manufacturer Name: L3 Communications	Manufacturer Location: Greenville, TX
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 6

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	1 / 4.500	- / -	1 / 4.500	- / -	- / -	- / -	- / -	- / -	1 / 4.500
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 4.500	- / -	1 / 4.500	- / -	- / -	- / -	- / -	- / -	1 / 4.500

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C02500 / VC-25A Mod	Modification Number / Title: 9715 / VC-25 Block Upgrade
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	70.000	-	70.000	46.096	54.100	68.500	51.600	-	290.296
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	70.000	-	70.000	46.096	54.100	68.500	51.600	-	290.296
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	70.000	-	70.000	46.096	54.100	68.500	51.600	-	290.296

(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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification installs a number of viability upgrades on Air Force VC-25A aircraft. The block modification includes: Protected SATCOM, Chillers, Nitrogen Generation System, weather radar, digital voice/data systems, and network capabilities to successfully complete the President of the United States airlift mission until the Presidential Aircraft Recapitalization program reaches full operational capability. Installation of the block upgrade will be aligned with aircraft heavy maintenance depot visits beginning in FY17. This is a FY16 NEW START.

Milestone/Development Status

Commercial-off-the-Shelf item with non-recurring engineering for integration.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: C02500 / VC-25A Mod					Modification Number / Title: 9715 / VC-25 Block Upgrade			
Models of Systems Affected: VC-25A				Modification Type: Capability Improvement				Related RDT&E PEs: 0401314F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 2: Chillers													
A Kits													
Recurring													
Chillers:INSTALL KITS Group A (Active)													
	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.000	- / -	- / -	- / -	1 / 10.000	
Subtotal: Recurring													
	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.000	- / -	- / -	- / -	- / 10.000	
B Kits													
Recurring													
Chillers:EQUIPMENT Group B (Active)													
	- / -	- / -	- / -	1 / 42.000	- / -	1 / 42.000	- / -	- / -	- / -	- / -	- / -	1 / 42.000	
Subtotal: Recurring													
	- / -	- / -	- / -	- / 42.000	- / -	- / 42.000	- / -	- / -	- / -	- / -	- / -	- / 42.000	
Subtotal: Chillers													
	- / -	- / -	- / -	- / 42.000	- / -	- / 42.000	- / -	- / 10.000	- / -	- / -	- / -	- / 52.000	
Modification Item 2 of 2: Protected													
A Kits													
Recurring													
Protected:INSTALL KITS Group A (Active)													
	- / -	- / -	- / -	1 / 10.000	- / -	1 / 10.000	- / -	1 / 10.000	- / -	- / -	- / -	2 / 20.000	
Subtotal: Recurring													
	- / -	- / -	- / -	- / 10.000	- / -	- / 10.000	- / -	- / 10.000	- / -	- / -	- / -	- / 20.000	
Subtotal: Protected													
	- / -	- / -	- / -	- / 10.000	- / -	- / 10.000	- / -	- / 10.000	- / -	- / -	- / -	- / 20.000	
Subtotal: Procurement, All Modification Items													
	- / -	- / -	- / -	- / 52.000	- / -	- / 52.000	- / -	- / 20.000	- / -	- / -	- / -	- / 72.000	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING													
	- / -	- / -	- / -	- / 10.000	- / -	- / 10.000	- / 10.000	- / -	- / -	- / -	- / -	- / 20.000	
OTHER GOVT													
	- / -	- / -	- / -	- / 17.500	- / -	- / 17.500	- / 25.596	- / 33.600	- / 48.000	- / 51.100	- / -	- / 165.796	
PMA - Other Gov't Costs													
	- / -	- / -	- / -	- / 10.500	- / -	- / 10.500	- / 10.500	- / 10.500	- / 10.500	- / 10.500	- / -	- / 12.500	
Subtotal: Support													
	- / -	- / -	- / -	- / 18.000	- / -	- / 18.000	- / 36.096	- / 34.100	- / 48.500	- / 51.600	- / -	- / 188.296	
Installation													
Modification Item 1 of 2: Chillers													
	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.000	- / -	- / -	1 / 10.000	
Modification Item 2 of 2: Protected													
	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.000	- / -	1 / 10.000	- / -	- / -	2 / 20.000	
Subtotal: Installation													
	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.000	- / -	2 / 20.000	- / -	- / -	3 / 30.000	
Total													
Total Cost (Procurement + Support + Installation)													
	-	-	-	70.000	-	70.000	46.096	54.100	68.500	51.600	-	290.296	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C02500 / VC-25A Mod	Modification Number / Title: 9715 / VC-25 Block Upgrade

Modification Item 1 of 2: Chillers

Manufacturer Information

Manufacturer Name: Boeing	Manufacturer Location: San Antonio, TX
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 8

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10,000	- / -	- / -	1 / 10,000
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10,000	- / -	- / -	1 / 10,000

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C02500 / VC-25A Mod	Modification Number / Title: 9715 / VC-25 Block Upgrade

Modification Item 2 of 2: Protected

Manufacturer Information

Manufacturer Name: Boeing	Manufacturer Location: San Antonio, TX
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 8

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.000	- / -	- / -	- / -	- / -	1 / 10.000
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.000	- / -	- / -	1 / 10.000
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.000	- / -	1 / 10.000	- / -	- / -	2 / 20.000

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot						
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C04000 / C-40
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	54.119	7.292	13.171	-	13.171	14.108	3.232	3.235	5.214	-	100.371
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	54.119	7.292	13.171	-	13.171	14.108	3.232	3.235	5.214	-	100.371
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	54.119	7.292	13.171	-	13.171	14.108	3.232	3.235	5.214	-	100.371

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

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

Description:

This line item funds all modifications for (11) C-40B and C-40C aircraft, commercial-derivative Boeing 737 business jets. The C-40B/C is a twin-engine, turbo fan aircraft used to airlift DoD officials and government personnel worldwide. The design service life is 30 years with an average of 23 years remaining.

Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration (FAA) certification while improving flight safety, reliability, and maintainability.

Communications, Navigation, Surveillance / Air Traffic Management Compliance modification is an FY16 NEW START.

Funding for this exhibit contained in PE 0401314F.

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	53.219	4.592	11.371	-	11.371	14.108	3.232	3.235	5.214
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.600	1.500	0.600	-	0.600	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.300	1.200	1.200	-	1.200	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C04000 / C-40
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F
---	--	---

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	54.119	7.292	13.171	-	13.171	14.108	3.232	3.235	5.214

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C04000 / C-40

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Nitrogen Generation System (Other)	P-40a***		- / -	- / 5.873	- / 3.077	- / 2.051	- / -	- / 2.051
2 / CNS/ATM Compliance (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / 0.969	- / -	- / 0.969
3 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / -	- / 0.131	- / 0.100	- / 0.136	- / -	- / 0.136
4 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / -	- / 0.115	- / 0.115	- / 0.115	- / -	- / 0.115
1118 / WIDEBAND SATCOM (Capability Improvement)	P-3a		- / -	- / 48.000	- / 4.000	- / 9.900	- / -	- / 9.900
Total Gross/Weapon System Cost			- / -	- / 54.119	- / 7.292	- / 13.171	- / -	- / 13.171

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Nitrogen Generation System (Other)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 11.001
2 / CNS/ATM Compliance (Capability Improvement)	P-40a***		- / 2.953	- / 2.971	- / 2.970	- / 4.944	- / -	- / 14.807
3 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / 0.135	- / 0.136	- / 0.135	- / 0.135	- / -	- / 0.908
4 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.120	- / 0.125	- / 0.130	- / 0.135	- / -	- / 0.855
1118 / WIDEBAND SATCOM (Capability Improvement)	P-3a		- / 10.900	- / -	- / -	- / -	- / -	- / 72.800
Total Gross/Weapon System Cost			- / 14.108	- / 3.232	- / 3.235	- / 5.214	- / -	- / 100.371

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: C04000 / C-40				Modification Number / Title: 1118 / WIDEBAND SATCOM				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	48.000	4.000	9.900	-	9.900	10.900	-	-	-	-	72.800
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	48.000	4.000	9.900	-	9.900	10.900	-	-	-	-	72.800
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	48.000	4.000	9.900	-	9.900	10.900	-	-	-	-	72.800

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification installs wide-band SATCOM communications infrastructure and corrects communications system obsolescence issues on (4) Air Force C-40B aircraft. The C-40B is a commercial derivative of the Boeing 737-700 Business Jet. Air Force C-40s maintain Federal Aviation Administration Certification. This modification provides national senior leaders with the ability to execute business enterprise and Command and Control functions globally while airborne. It maintains senior leader access to Top Secret/Sensitive Compartmented Information (TS/SCI) voice/data/video networks (Crisis Management System/ Joint Worldwide Intelligence Communications System) and Unclassified, Secret, and TS/SCI voice/data/video networks to conduct time critical targeting of high value targets, as required, and crisis actions while airborne.

Milestone/Development Status

Commercial-off-the-shelf item with non-recurring engineering for integration

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	48.000	4.000	9.900	-	9.900	10.900	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	48.000	4.000	9.900	-	9.900	10.900	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: C04000 / C-40				Modification Number / Title: 1118 / WIDEBAND SATCOM				
Models of Systems Affected: C-40B, C-40C			Modification Type: Capability Improvement				Related RDT&E PEs: 0401314F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1:</i> Wideband SATCOM												
A Kits												
Recurring												
Wideband SATCOM:INSTALL KITS Group A (Active)	- / -	1 / 3.900	1 / 3.900	1 / 3.800	- / -	1 / 3.800	1 / 3.800	- / -	- / -	- / -	- / -	4 / 15.400
<i>Subtotal: Recurring</i>	- / -	- / 3.900	- / 3.900	- / 3.800	- / -	- / 3.800	- / 3.800	- / -	- / -	- / -	- / -	- / 15.400
B Kits												
Recurring												
Wideband SATCOM:EQUIPMENT Group B (Active)	- / -	4 / 20.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 20.000
<i>Subtotal: Recurring</i>	- / -	- / 20.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.000
<i>Subtotal: Wideband SATCOM</i>	- / -	- / 23.900	- / 3.900	- / 3.800	- / -	- / 3.800	- / 3.800	- / -	- / -	- / -	- / -	- / 35.400
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 23.900	- / 3.900	- / 3.800	- / -	- / 3.800	- / 3.800	- / -	- / -	- / -	- / -	- / 35.400
Support (All Modification Items)												
GROUP A: TOTAL NONRECURRING	- / -	- / 24.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.000
PMA - Other Gov't Costs	- / -	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.100	- / 0.100	- / -	- / -	- / -	- / -	- / 0.400
Data	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / 1.000
<i>Subtotal: Support</i>	- / -	- / 24.100	- / 0.100	- / 0.100	- / -	- / 0.100	- / 1.100	- / -	- / -	- / -	- / -	- / 25.400
Installation												
<i>Modification Item 1 of 1:</i> Wideband SATCOM	- / -	- / -	- / -	2 / 6.000	- / -	2 / 6.000	2 / 6.000	- / -	- / -	- / -	- / -	4 / 12.000
<i>Subtotal: Installation</i>	- / -	- / -	- / -	2 / 6.000	- / -	2 / 6.000	2 / 6.000	- / -	- / -	- / -	- / -	4 / 12.000
Total												
Total Cost (Procurement + Support + Installation)	-	48.000	4.000	9.900	-	9.900	10.900	-	-	-	-	72.800

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C04000 / C-40	Modification Number / Title: 1118 / WIDEBAND SATCOM

Modification Item 1 of 1: Wideband SATCOM

Manufacturer Information

Manufacturer Name: Boeing	Manufacturer Location: San Antonio, TX
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 4

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	1 / 3.000	- / -	1 / 3.000	- / -	- / -	- / -	- / -	- / -	1 / 3.000
FY 2015	- / -	- / -	- / -	1 / 3.000	- / -	1 / 3.000	- / -	- / -	- / -	- / -	- / -	1 / 3.000
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.000	- / -	- / -	- / -	- / -	1 / 3.000
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.000	- / -	- / -	- / -	- / -	1 / 3.000
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 6.000	- / -	2 / 6.000	2 / 6.000	- / -	- / -	- / -	- / -	4 / 12.000

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Out	0	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C13000 / C-130

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F, 0401115F **Other Related Program Elements:** 0207224F, 0401115F, 0401134F, 0401897F

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,423.689	231.895	163.909	7.048	1.410	8.458	19.435	30.738	72.289	152.125	288.369	3,390.907
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2,423.689	231.895	163.909	7.048	1.410	8.458	19.435	30.738	72.289	152.125	288.369	3,390.907
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,423.689	231.895	163.909	7.048	1.410	8.458	19.435	30.738	72.289	152.125	288.369	3,390.907
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY15 funding totals include \$39.64M appropriated for Overseas Contingency Operations.
FY16 funding totals include \$1.41M appropriated for Overseas Contingency Operations.

This line item funds modifications to the legacy C-130 and Special Mission C-130 aircraft. The four engine legacy C-130 provides theater airlift and carries either 92 troops, 64 paratroopers, 74 litter patients, or 6 standard 463-L pallets.

The modifications budgeted in FY16 are the Systems/Structure (Center Wing Replacement) mod; the C-130H Viability and Airspace Access Program (VAAP) Increment 1 mod which replaces the FY15 PB Minimize C-130 Communication, Navigation, Surveillance/Air Traffic Management (CNS/ATM) program; the C-130 Auxillary Hydraulic Pump mod; and low cost/safety/misc sims mods.

Funding for this exhibit is contained in PEs 0401115F, 0404011F, 0207224F.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	192.366	132.193	7.048	0.360	7.408	12.681	23.237	7.656	44.988
AFNG									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	37.409	31.291	-	0.525	0.525	-	7.461	64.633	78.865
AFR									
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C13000 / C-130
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207224F, 0401115F	Other Related Program Elements: 0207224F, 0401115F, 0401134F, 0401897F
---	--	---

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total Obligation Authority	2.120	0.425	-	0.525	0.525	6.754	0.040	-	28.272
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	231.895	163.909	7.048	1.410	8.458	19.435	30.738	72.289	152.125

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C13000 / C-130

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F, 0401115F **Other Related Program Elements:** 0207224F, 0401115F, 0401134F, 0401897F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / PODDED RECONNAISSANCE SYSTEM (Capability Improvement)	P-40a***		- / 8.422	- / -	- / -	- / -	- / -	- / -
2 / AUTOPILOT/GCAS (Capability Improvement)	P-40a***		- / 48.227	- / -	- / -	- / -	- / -	- / -
3 / ELECTRICAL SYSTEM UPGRADE (Safety)	P-40a***		- / 15.636	- / -	- / -	- / -	- / -	- / -
4 / C-130 8-Bladed Propeller Upgrade (Capability Improvement)	P-40a***		- / -	- / 26.000	- / 30.000	- / -	- / -	- / -
5 / ENGINES (Service Life Extension)	P-40a***		- / 8.016	- / -	- / -	- / -	- / -	- / -
6 / ALR-69 (RWR) (Capability Improvement)	P-40a***		- / 64.289	- / -	- / -	- / -	- / -	- / -
7 / AN/AAQ-22M (FLIR) (Capability Improvement)	P-40a***		- / 10.154	- / -	- / -	- / -	- / -	- / -
8 / INSTALLATION OF AN/APN-241 (Capability Improvement)	P-40a***		- / 127.336	- / -	- / -	- / -	- / -	- / -
9 / Electronic Propeller Control System (EPCS) (Capability Improvement)	P-40a***		- / 1.100	- / -	- / -	- / -	- / -	- / -
10 / C-130 AVIONICS MODERNIZATION PROGRAM (AMP) (Capability Improvement)	P-40a***		- / 175.159	- / -	- / 35.800	- / -	- / -	- / -
11 / ENHANCED TCAS (TCAS II) (No text provided.)	P-40a***		- / 36.153	- / -	- / -	- / -	- / -	- / -
12 / SYNCHROPHASER WIRE (C-130) (Safety)	P-40a***		- / 6.033	- / -	- / -	- / -	- / -	- / -
13 / C-130 GENERATOR DISCONNECT INSTALLATION WR-98-004 (Capability Improvement)	P-40a***		- / 1.475	- / -	- / -	- / -	- / -	- / -
14 / ALE-47 CHAFF AND FLARE DISPENSER (Capability Improvement)	P-40a***		- / 23.057	- / -	- / -	- / -	- / -	- / -
15 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) (Service Life Extension)	P-40a***		- / 633.590	- / 24.833	- / 13.640	- / 0.500	- / -	- / 0.500
16 / Mode S & 8.33 MHz Upgrades (Capability Improvement)	P-40a***		- / 79.516	- / 1.335	- / -	- / -	- / -	- / -
17 / ALR-69 UPGRADE (Capability Improvement)	P-40a***		- / 13.780	- / -	- / -	- / -	- / -	- / -
18 / LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM) (Capability Improvement)	P-40a***		- / 853.368	- / -	- / -	- / -	- / -	- / -
19 / HC-130P/N Personal Locator System (Capability Improvement)	P-40a***		- / 5.400	- / -	- / -	- / -	- / -	- / -
20 / HC-130 Integrated Electronic Warfare (EW) Suite (Capability Improvement)	P-40a***		- / 6.000	- / -	- / -	- / -	- / -	- / -
21 / AAR-47 Sensor Upgrade (Capability Improvement)	P-40a***		- / -	- / 1.618	- / -	- / -	- / -	- / -
22 / NOISE CANCELLATION SYSTEM (Capability Improvement)	P-40a***		- / 10.925	- / -	- / -	- / -	- / -	- / -
23 / AC-130 OUTER WING REPLACEMENT (Service Life Extension)	P-40a***		- / 4.935	- / -	- / -	- / -	- / -	- / -
24 / HC-130 8.33 RADIOS (Capability Improvement)	P-40a***		- / 21.872	- / -	- / -	- / -	- / -	- / -
25 / MOD V IFF (Capability Improvement)	P-40a***		- / 38.306	- / 6.803	- / 1.630	- / -	- / -	- / -
26 / C-130 DUAL RAILS (Capability Improvement)	P-40a***		- / 4.117	- / -	- / -	- / -	- / -	- / -
27 / C-130 CRASHWORTHY LOADMASTER SEAT (Capability Improvement)	P-40a***		- / 13.961	- / 1.476	- / 1.089	- / -	- / -	- / -
28 / Tactics/Threat Generation System (Capability Improvement)	P-40a***		- / 9.009	- / -	- / -	- / -	- / -	- / -
29 / MC Combined CARA/ETCAS (Capability Improvement)	P-40a***		- / 2.307	- / -	- / -	- / -	- / -	- / -
30 / Blue Force Tracker (Capability Improvement)	P-40a***		- / 0.400	- / -	- / -	- / -	- / -	- / -
31 / Armor Plate (Capability Improvement)	P-40a***		- / 20.502	- / -	- / -	- / -	- / -	- / -
32 / ENGINE OIL COOLER (Capability Improvement)	P-40a***		- / 31.000	- / 0.125	- / -	- / -	- / -	- / -

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C13000 / C-130

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F, 0401115F **Other Related Program Elements:** 0207224F, 0401115F, 0401134F, 0401897F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
33 / Square Window Troop Door (Capability Improvement)	P-40a***		- / 16.401	- / -	- / -	- / -	- / -	- / -
34 / C-130 Aux Hyd Pump (Capability Improvement)	P-40a***		- / 11.349	- / 1.981	- / 1.237	- / 0.326	- / -	- / 0.326
35 / Real Time Information in the Cockpit (RTIC) Kits (Capability Improvement)	P-40a***		- / 1.875	- / -	- / -	- / -	- / -	- / -
36 / AFR C-130 Fuselage Trainer Modification (Capability Improvement)	P-40a***		- / -	- / 7.000	- / -	- / -	- / -	- / -
37 / C-130 VAAP Increment 1 (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
38 / 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program (Capability Improvement)	P-40a***		- / -	- / 9.922	- / 7.447	- / -	- / -	- / -
39 / CVR/DVR -- Minimize C-130 CNS/ATM Program (Capability Improvement)	P-40a***		- / -	- / 4.278	- / 7.151	- / -	- / -	- / -
40 / HC-130 Crashworthy Seats (Capability Improvement)	P-40a***		- / 6.000	- / -	- / -	- / -	- / -	- / -
41 / HC-130 T-1 Mods (Reliability & Maintainability)	P-40a***		- / 2.500	- / -	- / -	- / -	- / -	- / -
42 / AC-130W Radar Pods (Capability Improvement)	P-40a***		- / -	- / -	- / 25.000	- / -	- / -	- / -
43 / AC-130W Hellfire Capability (Capability Improvement)	P-40a***		- / -	- / -	- / 2.240	- / -	- / -	- / -
44 / HC-130 SABIR (Capability Improvement)	P-40a***		- / -	- / -	- / 12.400	- / -	- / -	- / -
45 / T-56 3.5 Engine Mod (Capability Improvement)	P-40a***		- / -	- / 15.700	- / 22.600	- / -	- / -	- / -
46 / Onboard Fire Incident Response Equipment (Capability Improvement)	P-40a***		- / -	- / 130.000	- / -	- / -	- / -	- / -
47 / HC-130P/N Variable Speed Droge (VSD) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 1.410	- / 1.410
48 / LOW COST SAFETY MODIFICATIONS (Safety)	P-40a***		- / 2.833	- / 0.001	- / 1.674	- / 1.900	- / -	- / 1.900
49 / HC-130 Low Cost Mods (Reliability & Maintainability)	P-40a***		- / 1.900	- / -	- / -	- / -	- / -	- / -
50 / MISC SIMULATOR UPDATES (Capability Improvement)	P-40a***		- / 0.704	- / 0.001	- / 0.001	- / 1.200	- / -	- / 1.200
51 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / 0.002	- / 0.001	- / 0.001	- / 1.222	- / -	- / 1.222
52 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 10.231	- / 0.821	- / 1.999	- / 1.900	- / -	- / 1.900
53 / ELT UPGRADE (Capability Improvement)	P-40a***		- / 18.341	- / -	- / -	- / -	- / -	- / -
54 / ANG SENIOR SCOUT (Service Life Extension)	P-40a***		- / 77.508	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 2,423.689	- / 231.895	- / 163.909	- / 7.048	- / 1.410	- / 8.458

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / PODDED RECONNAISSANCE SYSTEM (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 8.422
2 / AUTOPILOT/GCAS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 48.227
3 / ELECTRICAL SYSTEM UPGRADE (Safety)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 15.636
4 / C-130 8-Bladed Propeller Upgrade (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 56.000
5 / ENGINES (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 8.016
6 / ALR-69 (RWR) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 64.289
7 / AN/AAQ-22M (FLIR) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 10.154

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C13000 / C-130

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F, 0401115F **Other Related Program Elements:** 0207224F, 0401115F, 0401134F, 0401897F

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
8 / INSTALLATION OF AN/APN-241 (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 127.336
9 / Electronic Propeller Control System (EPCS) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.100
10 / C-130 AVIONICS MODERNIZATION PROGRAM (AMP) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 210.959
11 / ENHANCED TCAS (TCAS II) (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 36.153
12 / SYNCHROPHASER WIRE (C-130) (Safety)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 6.033
13 / C-130 GENERATOR DISCONNECT INSTALLATION WR-98-004 (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.475
14 / ALE-47 CHAFF AND FLARE DISPENSER (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 23.057
15 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) (Service Life Extension)	P-40a***		- / 12.906	- / 24.340	- / 14.642	- / 14.906	- / 67.696	- / 807.053
16 / Mode S & 8.33 MHz Upgrades (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 80.851
17 / ALR-69 UPGRADE (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 13.780
18 / LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 853.368
19 / HC-130P/N Personal Locator System (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 5.400
20 / HC-130 Integrated Electronic Warfare (EW) Suite (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 6.000
21 / AAR-47 Sensor Upgrade (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.618
22 / NOISE CANCELLATION SYSTEM (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 10.925
23 / AC-130 OUTER WING REPLACEMENT (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 4.935
24 / HC-130 8.33 RADIOS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 21.872
25 / MOD V IFF (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 46.739
26 / C-130 DUAL RAILS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 4.117
27 / C-130 CRASHWORTHY LOADMASTER SEAT (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 16.526
28 / Tactics/Threat Generation System (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 9.009
29 / MC Combined CARA/ETCAS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 2.307
30 / Blue Force Tracker (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.400
31 / Armor Plate (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 20.502
32 / ENGINE OIL COOLER (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 31.125
33 / Square Window Troop Door (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 16.401
34 / C-130 Aux Hyd Pump (Capability Improvement)	P-40a***		- / 0.328	- / 0.522	- / -	- / -	- / -	- / 15.743
35 / Real Time Information in the Cockpit (RTIC) Kits (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.875
36 / AFR C-130 Fuselage Trainer Modification (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 7.000
37 / C-130 VAAP Increment 1 (Capability Improvement)	P-40a***		- / -	- / -	- / 51.543	- / 131.976	- / 213.065	- / 396.584
38 / 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 17.369

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C13000 / C-130

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F, 0401115F **Other Related Program Elements:** 0207224F, 0401115F, 0401134F, 0401897F

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
39 / CVR/DVR -- Minimize C-130 CNS/ATM Program (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 11.429
40 / HC-130 Crashworthy Seats (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 6.000
41 / HC-130 T-1 Mods (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 2.500
42 / AC-130W Radar Pods (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 25.000
43 / AC-130W Hellfire Capability (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 2.240
44 / HC-130 SABIR (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 12.400
45 / T-56 3.5 Engine Mod (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 38.300
46 / Onboard Fire Incident Response Equipment (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 130.000
47 / HC-130P/N Variable Speed Drogue (VSD) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.410
48 / LOW COST SAFETY MODIFICATIONS (Safety)	P-40a***		- / 1.900	- / 1.900	- / 1.463	- / 1.999	- / 1.611	- / 15.281
49 / HC-130 Low Cost Mods (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.900
50 / MISC SIMULATOR UPDATES (Capability Improvement)	P-40a***		- / 1.300	- / 1.200	- / 1.719	- / 1.244	- / -	- / 7.369
51 / SERVICE BULLETINS (Capability Improvement)	P-40a***		- / 1.101	- / 0.876	- / 0.923	- / 0.001	- / -	- / 4.127
52 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 1.900	- / 1.900	- / 1.999	- / 1.999	- / 5.997	- / 28.746
53 / ELT UPGRADE (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 18.341
54 / ANG SENIOR SCOUT (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 77.508
Total Gross/Weapon System Cost			- / 19.435	- / 30.738	- / 72.289	- / 152.125	- / 288.369	- / 3,390.907

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C1300J / C-130J MODS

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401132F **Other Related Program Elements:** 0401132F, 0401134F, 0401897F

Line Item MDAP/MAIS Code: 220 **Item MDAP/MAIS Code(s):**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	238.746	8.788	25.919	29.713	-	29.713	78.422	93.376	121.841	134.033	1,034.102	1,764.940
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	238.746	8.788	25.919	29.713	-	29.713	78.422	93.376	121.841	134.033	1,034.102	1,764.940
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	238.746	8.788	25.919	29.713	-	29.713	78.422	93.376	121.841	134.033	1,034.102	1,764.940

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

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

Description:

The C-130J is a medium-size transport aircraft capable of performing a variety of combat delivery (tactical airlift) operations across a broad range of mission environments. The C-130J aircraft, with its extended (by 15 ft) fuselage, provides additional cargo carrying capacity for the USAF combat delivery mission compared with legacy C-130E/Hs and the C-130J (short).

Other variants of the USAF C-130J fleet are all short-bodied aircraft and include the EC-130J (airborne psychological operations), WC-130J (weather reconnaissance), HC-130J (combat search and rescue), MC-130J (special operations), and the AC-130J (close air support and armed reconnaissance).

As of 1 Feb 2014, there are 147 USAF C-130J Variants: C-130J - 89, C-130J (short) - 10, WC-130J - 10, EC-130J - 7, HC-130J - 11, MC-130J - 19, AC-130J - 1. The designed service life is 35 years and the average service life remaining is 27.5 years.

Funding for this exhibit is contained in PE 0401132F.

In FY15, the center wing box replacement program continues with the intallation of one enhanced service life (ESL) center wing (ESL). Since Nov 2009, all production C-130Js have been delivered with the ESL center wing.

FY15 OCO funding will provide two center wing boxes and installs. Deployed aircraft exhaust wings 2.7 times faster than at home station. Funding is required to avoid operationally restricting aircraft.

Blocks 7.0 and 8.1 together will allow the C-130J to meet all known Communication, Navigation and Surveillance/Air Traffic Management (CNS/ATM) and navigation safety mandates.

In order to better manage the fleet and avoid having to simultaneously support three separate aircraft configurations (Block 6, Block 7 and Block 8.1), Blocks 7.0 and 8.1 have been combined. This way the aircraft and trainers will only have to be modified one time.

The international C-130J Block 7 collaborative development program will complete in 2013. Block 8.1 is in development and we will begin ordering Block 7.0/8.1 kits in 2016 under Mod #5222, Block 8.1.

NOTE: USMC KC-130Js and USCG HC-130Js are following USAF's lead and will also field a combined Block 7/8.1 aircraft.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: C1300J / C-130J MODS
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0401132F	Other Related Program Elements: 0401132F, 0401134F, 0401897F
Line Item MDAP/MAIS Code: 220	Item MDAP/MAIS Code(s):	

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.788	25.919	29.713	-	29.713	78.422	93.376	121.841	134.033
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	8.788	25.919	29.713	-	29.713	78.422	93.376	121.841	134.033

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C1300J / C-130J MODS

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401132F **Other Related Program Elements:** 0401132F, 0401134F, 0401897F

Line Item MDAP/MAIS Code: 220 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / C-130J Tactics Training (Capability Improvement)	P-40a***		- / 8.470	- / 7.545	- / -	- / -	- / -	- / -
2 / Avionics System and Structural Modifications (Capability Improvement)	P-40a***		- / 23.202	- / 0.300	- / 0.433	- / 0.283	- / -	- / 0.283
3 / Wind Gust Brake (Reliability & Maintainability)	P-40a***		- / 38.971	- / 0.201	- / 0.148	- / 0.114	- / -	- / 0.114
4 / C-130J BLOCK 7.0 UPGRADES (Capability Improvement)	P-40a***		- / 13.452	- / -	- / -	- / -	- / -	- / -
5 / LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM) (Capability Improvement)	P-40a***		- / 91.807	- / -	- / -	- / -	- / -	- / -
6 / C-130J Center Wing Replacement (Service Life Extension)	P-40a***		- / 30.830	- / 0.742	- / 25.337	- / 0.500	- / -	- / 0.500
7 / Dynamic Retasking Capability (Capability Improvement)	P-40a***		- / 23.010	- / -	- / -	- / -	- / -	- / -
8 / LOW COST MODIFICATIONS (Safety)	P-40a***		- / 9.004	- / -	- / 0.001	- / 0.100	- / -	- / 0.100
5222 / BLOCK 8.0 (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 28.716	- / -	- / 28.716
Total Gross/Weapon System Cost			- / 238.746	- / 8.788	- / 25.919	- / 29.713	- / -	- / 29.713

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / C-130J Tactics Training (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 16.015
2 / Avionics System and Structural Modifications (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 24.218
3 / Wind Gust Brake (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 39.434
4 / C-130J BLOCK 7.0 UPGRADES (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 13.452
5 / LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 91.807
6 / C-130J Center Wing Replacement (Service Life Extension)	P-40a***		- / 0.500	- / 13.822	- / 0.500	- / 0.500	- / -	- / 72.731
7 / Dynamic Retasking Capability (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 23.010
8 / LOW COST MODIFICATIONS (Safety)	P-40a***		- / 0.500	- / 0.500	- / 0.500	- / 0.500	- / -	- / 11.105
5222 / BLOCK 8.0 (Capability Improvement)	P-3a		- / 77.422	- / 79.054	- / 120.841	- / 133.033	- / 1,034.102	- / 1,473.168
Total Gross/Weapon System Cost			- / 78.422	- / 93.376	- / 121.841	- / 134.033	- / 1,034.102	- / 1,764.940

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: C1300J / C-130J MODS						Modification Number / Title: 5222 / BLOCK 8.0		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	28.716	-	28.716	77.422	79.054	120.841	133.033	1,034.102	1,473.168
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	28.716	-	28.716	77.422	79.054	120.841	133.033	1,034.102	1,473.168
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	28.716	-	28.716	77.422	79.054	120.841	133.033	1,034.102	1,473.168

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The C-130J combined 7.0 and 8.1 Block Upgrades (BU) modification program funds the procurement and installation of Communication, Navigation and Surveillance Air Traffic Management (CNS/ATM) navigation safety and other aircraft hardware and software improvements on USAF C-130J aircraft and associated training systems. The combined BU 7.0 and 8.1 (now called just Block 8.1) is being implemented to maintain access to global airspace, enhance aircraft navigational accuracy and aircrew situational awareness. It increases overall C-130J operational utility / effectiveness and reduces C-130J systems / parts obsolescence. Lockheed Martin will be responsible for integrating 38 capabilities including: a new Flight Management System, civil GPS, Link-16, digital maps, Mission Computer - Operational Flight Program (MC-OPF), Data Transfer and Diagnostic System (DTADS), improved brakes / wheels, a modified control yoke, BU 8.1 TEMPEST compliance, Identification Friend or Foe(IFF) Transponder Mode 5, Enhanced Inter-Communication System, CNS / ATM Civil Data Link and Automatic Dependent Surveillance Broadcast (ADS-B) out. Installation of HC/MC retrofit kits (88) will be funded with HC/MC dollars. Additional funding has been added for AMC to procure Group B Kits for ACC and AFSOC Block 8.1 Mods beginning in FY19. C-130J Block 8.1 mod is a FY16 New Start.

Milestone/Development Status

BU 7.0 development is complete. BU 8.1 operational testing is scheduled to completed by 4QFY16.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	28.716	-	28.716	77.422	79.054	120.841	133.033
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	28.716	-	28.716	77.422	79.054	120.841	133.033

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: C1300J / C-130J MODS					Modification Number / Title: 5222 / BLOCK 8.0			
Models of Systems Affected: C-130J				Modification Type: Capability Improvement				Related RDT&E PEs: 0401132F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0401132F	- / -	- / -	- / -	- / 26.475	- / -	- / 26.475	- / -	- / -	- / -	- / -	- / -	- / 26.475	
Procurement													
<i>Modification Item 1 of 1: Block 81 LM Kit</i>													
A Kits													
Recurring													
Block 81 LM Kit:INSTALL KITS Group A (Active)	- / -	- / -	- / -	3 / 4.863	- / -	3 / 4.863	14 / 23.786	14 / 24.066	10 / 17.690	20 / 36.440	88 / 182.064	149 / 288.909	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 4.863	- / -	- / 4.863	- / 23.786	- / 24.066	- / 17.690	- / 36.440	- / 182.064	- / 288.909	
B Kits													
Recurring													
Block 81 LM Kit:EQUIPMENT Group B (Active)	- / -	- / -	- / -	6 / 15.132	- / -	6 / 15.132	17 / 44.132	14 / 37.422	22 / 60.544	20 / 56.660	171 / 538.485	250 / 752.375	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 15.132	- / -	- / 15.132	- / 44.132	- / 37.422	- / 60.544	- / 56.660	- / 538.485	- / 752.375	
<i>Subtotal: Block 81 LM Kit</i>	- / -	- / -	- / -	- / 19.995	- / -	- / 19.995	- / 67.918	- / 61.488	- / 78.234	- / 93.100	- / 720.549	- / 1,041.284	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 19.995	- / -	- / 19.995	- / 67.918	- / 61.488	- / 78.234	- / 93.100	- / 720.549	- / 1,041.284	
Support (All Modification Items)													
OTHER GOVT	- / -	- / -	- / -	- / 0.290	- / -	- / 0.290	- / 1.466	- / 1.947	- / 1.594	- / 0.046	- / 15.808	- / 21.151	
Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.500	- / 1.500	
SIM/TRAINER	- / -	- / -	- / -	1 / 2.522	- / -	1 / 2.522	- / 2.625	2 / 7.164	1 / 5.634	6 / 15.296	6 / 58.432	16 / 91.673	
SUPPORT-EQUIP	- / -	- / -	- / -	- / 15.909	- / -	- / 15.909	- / 15.413	- / 4.277	- / 15.485	- / 4.299	- / 48.208	- / 83.591	
<i>Subtotal: Support</i>	- / -	- / -	- / -	1 / 8.721	- / -	1 / 8.721	- / 9.504	2 / 13.388	1 / 22.713	6 / 19.641	6 / 123.948	16 / 197.915	
Installation													
<i>Modification Item 1 of 1: Block 81 LM Kit</i>													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.178	14 / 19.894	14 / 20.292	118 / 189.605	149 / 233.969	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	28.716	-	28.716	77.422	79.054	120.841	133.033	1,034.102	1,473.168	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C1300J / C-130J MODS	Modification Number / Title: 5222 / BLOCK 8.0

Modification Item 1 of 1: Block 81 LM Kit

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Marietta/Greenville
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 18

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

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.178	- / -	- / -	- / -	3 / 4.178
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 19.894	- / -	- / -	14 / 19.894
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 20.292	- / -	14 / 20.292
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 14.784	10 / 14.784
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 30.160	20 / 30.160
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	88 / 144.661	88 / 144.661
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.178	14 / 19.894	14 / 20.292	118 / 189.605	149 / 233.969

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	3	4	3	4	2	3	4	5	118	149
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	4	3	4	2	3	4	5	118	149

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C13500 / C-135

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0305145F, 0401218F **Other Related Program Elements:** 0305145F, 0401134F, 0401218F, 0401897F

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,287.133	29.556	63.568	49.043	-	49.043	64.367	68.910	64.723	62.198	315.218	2,004.716
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,287.133	29.556	63.568	49.043	-	49.043	64.367	68.910	64.723	62.198	315.218	2,004.716
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,287.133	29.556	63.568	49.043	-	49.043	64.367	68.910	64.723	62.198	315.218	2,004.716
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The C-135 is a four engine aircraft used for long range cargo and passenger airlift and to support theater commanders. The four engine KC-135 provides air refueling through either the refueling boom or drogue. As a cargo aircraft, the KC-135 can carry six standard 463-L pallets. There are 400 aircraft (396 KCs, 4 special purpose) in the C-135 inventory. The average age is 52 years, with 26 years of service life remaining (projected service life of 2040).

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Funding for this exhibit contained in PEs 0401218F and 0305145F.

The FY2016 funding request was reduced by \$1.038 million to account for the availability of prior execution balances.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	29.171	32.969	26.130	-	26.130	33.514	39.875	35.663	34.664
AFNG									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.295	21.944	16.772	-	16.772	22.214	20.881	21.103	19.942
AFR									
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C13500 / C-135
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0305145F, 0401218F	Other Related Program Elements: 0305145F, 0401134F, 0401218F, 0401897F
---	--	---

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
	Total Obligation Authority	0.090	8.655	6.141	-	6.141	8.639	8.154	7.957	7.592
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	29.556	63.568	49.043	-	49.043	64.367	68.910	64.723	62.198

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C13500 / C-135

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0305145F, 0401218F **Other Related Program Elements:** 0305145F, 0401134F, 0401218F, 0401897F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / STANDARD FLIGHT DATA RECORDER (Capability Improvement)	P-40a***		- / 5.401	- / -	- / -	- / -	- / -	- / -
2 / C-135 REENGINE (Capability Improvement)	P-40a***		- / 30.750	- / -	- / -	- / -	- / -	- / -
3 / FLIGHT DATA RECORDER & COCKPIT VOICE RECORDER (Capability Improvement)	P-40a***		- / 27.030	- / -	- / -	- / -	- / -	- / -
4 / PACER CRAG (COMPASS, RADAR, AND GPS) (Capability Improvement)	P-40a***		- / 135.021	- / -	- / -	- / -	- / -	- / -
5 / ENHANCED MODE S (Capability Improvement)	P-40a***		- / 28.092	- / -	- / -	- / -	- / -	- / -
6 / GATM Phase II (Capability Improvement)	P-40a***		- / 909.568	- / -	- / -	- / -	- / -	- / -
7 / CONTROL COLUMN ACTUATOR BRAKE (CCAB) (Capability Improvement)	P-40a***		- / 40.723	- / -	- / -	- / -	- / -	- / -
8 / BOWST (Other)	P-40a***		- / 8.800	- / -	- / -	- / -	- / -	- / -
9 / MODE 5 (Capability Improvement)	P-40a***		- / 12.994	- / -	- / -	- / -	- / -	- / -
10 / VOR/ILS ANTENNAE (Capability Improvement)	P-40a***		- / 6.113	- / 2.604	- / 1.727	- / 0.752	- / -	- / 0.752
11 / Visual System Replacement (VSR) (Capability Improvement)	P-40a***		- / 29.767	- / -	- / -	- / -	- / -	- / -
12 / APU Oil Cooler (No text provided.)	P-40a***		- / 7.954	- / -	- / -	- / -	- / -	- / -
13 / ADS-B (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
14 / Digital Visual Imaging System (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
15 / LOW COST SAFETY MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / -	- / 0.025
16 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 4.929	- / 1.897	- / 0.471	- / 1.000	- / -	- / 1.000
8653 / BLOCK 45 (Capability Improvement)	P-3a		- / 39.966	- / 25.030	- / 61.345	- / 47.266	- / -	- / 47.266
Total Gross/Weapon System Cost			- / 1,287.133	- / 29.556	- / 63.568	- / 49.043	- / -	- / 49.043

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / STANDARD FLIGHT DATA RECORDER (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 5.401
2 / C-135 REENGINE (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 30.750
3 / FLIGHT DATA RECORDER & COCKPIT VOICE RECORDER (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 27.030
4 / PACER CRAG (COMPASS, RADAR, AND GPS) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 135.021
5 / ENHANCED MODE S (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 28.092
6 / GATM Phase II (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 909.568
7 / CONTROL COLUMN ACTUATOR BRAKE (CCAB) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 40.723
8 / BOWST (Other)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 8.800
9 / MODE 5 (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 12.994
10 / VOR/ILS ANTENNAE (Capability Improvement)	P-40a***		- / 0.162	- / -	- / -	- / -	- / -	- / 11.358
11 / Visual System Replacement (VSR) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 29.767
12 / APU Oil Cooler (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 7.954

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C13500 / C-135

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0305145F, 0401218F **Other Related Program Elements:** 0305145F, 0401134F, 0401218F, 0401897F

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
13 / ADS-B (Capability Improvement)	P-40a***		- / -	- / 5.000	- / 3.200	- / -	- / -	- / 8.200
14 / Digital Visual Imaging System (Reliability & Maintainability)	P-40a***		- / 4.537	- / 5.015	- / 5.109	- / 5.201	- / -	- / 19.862
15 / LOW COST SAFETY MODIFICATIONS (Capability Improvement)	P-40a***		- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / 0.100	- / 0.300
16 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 1.901	- / 0.073	- / 1.995	- / 1.995	- / 1.995	- / 16.256
8653 / BLOCK 45 (Capability Improvement)	P-3a		- / 57.742	- / 58.797	- / 54.394	- / 54.977	- / 313.123	- / 712.640
Total Gross/Weapon System Cost			- / 64.367	- / 68.910	- / 64.723	- / 62.198	- / 315.218	- / 2,004.716

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: C13500 / C-135				Modification Number / Title: 8653 / BLOCK 45				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	39.966	25.030	61.345	47.266	-	47.266	57.742	58.797	54.394	54.977	313.123	712.640
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	39.966	25.030	61.345	47.266	-	47.266	57.742	58.797	54.394	54.977	313.123	712.640
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	39.966	25.030	61.345	47.266	-	47.266	57.742	58.797	54.394	54.977	313.123	712.640
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Block 45 addresses reliability and maintainability issues currently experienced by the KC-135 Fleet. The modification includes a new Digital Flight Director (DFD), Digital Radar Altimeter (RA), Digital Autopilot (AP) and Electronic Engine Instrument Displays (EEID). Block 45 requirements are outlined in the Capability Development Document (CDD) for KC-135 Communications, Navigation, and Surveillance/Air Traffic Management (CNS/ATM), dated 21 Oct 08. The DFD replaces the existing obsolete analog flight director (high maintenance driver) and provides a fully integrated flight guidance system and at the same time provides improved capability. The RA replaces the existing obsolete AL-101 radio altimeter (high maintenance driver) with a new state of the art digital high mean time between failure (MTBF) RA. The digital AP replaces the current obsolete analog AP system. The EEID replaces the obsolete analog engine instruments. The Air Force expects to achieve MTBF figures as follows (measured in hours): Radar Altimeter - 8,462 (current 1,454) Digital Flight Director - 11,388 (current 899); Autopilot - 2,335 (current 339); Engine Instruments - 4,726 (current 2,336). In addition, by replacing these components, the Air Force expects to realize approximately \$8.50M annually (or \$440M total) in cost avoidance relative to system repair costs. Aircraft Breakdown: USAF plans to modify 399 C-135 aircraft (395 KC-135 R/T, 4 special purpose) with Block 45. Two of the 395 aircraft modifications are prototypes funded with RDT&E. The rest will be funded with APAF. This program has associated Research Development Test and Evaluation funding in PE 0401218F. This program has associated initial spares funding in BA 06.

Milestone/Development Status

Developmental Test & Evaluation completed March 2013. Milestone C approval received July 25 2013.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	25.030	31.305	24.898	-	24.898	27.003	29.787	25.359	27.468
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	21.530	16.360	-	16.360	22.137	20.856	21.078	19.917
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	8.510	6.008	-	6.008	8.602	8.154	7.957	7.592
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 8653 / BLOCK 45
---	--	--

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	25.030	61.345	47.266	-	47.266	57.742	58.797	54.394	54.977

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: C13500 / C-135					Modification Number / Title: 8653 / BLOCK 45			
Models of Systems Affected: KC-135				Modification Type: Capability Improvement				Related RDT&E PEs: 0401218F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0401218F	2 / 50.033	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 50.033	
Procurement													
Modification Item 1 of 1: Block 45													
A Kits													
Recurring													
Block 45:INSTALL KITS Group A (Active)	23 / 2.538	- / -	17 / 2.681	7 / 1.135	- / -	7 / 1.135	17 / 2.829	11 / 1.877	13 / 2.266	11 / 1.957	60 / 11.248	159 / 26.531	
Block 45:INSTALL KITS Group A (Guard)	8 / 1.064	- / -	20 / 3.154	9 / 1.459	- / -	9 / 1.459	20 / 3.329	13 / 2.218	16 / 2.790	13 / 2.314	77 / 14.493	176 / 30.821	
Block 45:INSTALL KITS Group A (Reserve)	3 / 0.399	- / -	8 / 1.262	3 / 0.486	- / -	3 / 0.486	8 / 1.333	5 / 0.853	6 / 1.046	5 / 0.890	24 / 4.463	62 / 10.732	
Subtotal: Recurring	- / 4.001	- / -	- / 7.097	- / 3.080	- / -	- / 3.080	- / 7.491	- / 4.948	- / 6.102	- / 5.161	- / 30.204	- / 68.084	
B Kits													
Recurring													
Block 45:EQUIPMENT Group B (Active)	23 / 13.144	- / -	17 / 12.067	7 / 5.108	- / -	7 / 5.108	17 / 12.739	11 / 8.447	13 / 10.201	11 / 8.812	60 / 50.633	159 / 121.151	
Block 45:EQUIPMENT Group B (Guard)	8 / 4.649	- / -	20 / 14.197	9 / 6.567	- / -	9 / 6.567	20 / 14.987	13 / 9.983	16 / 12.555	13 / 10.414	77 / 65.239	176 / 138.591	
Block 45:EQUIPMENT Group B (Reserve)	3 / 1.745	- / -	8 / 5.680	3 / 2.189	- / -	3 / 2.189	8 / 5.994	5 / 3.841	6 / 4.709	5 / 4.006	24 / 20.080	62 / 48.244	
Subtotal: Recurring	- / 19.538	- / -	- / 31.944	- / 13.864	- / -	- / 13.864	- / 33.720	- / 22.271	- / 27.465	- / 23.232	- / 135.952	- / 307.986	
Subtotal: Block 45	- / 23.539	- / -	- / 39.041	- / 16.944	- / -	- / 16.944	- / 41.211	- / 27.219	- / 33.567	- / 28.393	- / 166.156	- / 376.070	
Subtotal: Procurement, All Modification Items	- / 23.539	- / -	- / 39.041	- / 16.944	- / -	- / 16.944	- / 41.211	- / 27.219	- / 33.567	- / 28.393	- / 166.156	- / 376.070	
Support (All Modification Items)													
Change Orders	- / -	- / 8.003	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.003	
Data	- / -	- / 0.337	- / 0.270	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.868	- / 12.475	
SIM/TRAINER	2 / 8.537	2 / 3.853	2 / 3.590	2 / 3.183	- / -	2 / 3.183	2 / 3.278	2 / 3.095	1 / 2.029	2 / 3.582	4 / 9.270	19 / 40.417	
SUPPORT-EQUIP	- / 0.185	- / -	- / 0.083	- / 0.083	- / -	- / 0.083	- / 0.086	- / 0.082	- / 0.084	- / 0.103	- / -	- / 0.706	
OTHER GOVT	- / 6.511	- / 4.001	- / 7.860	- / 7.726	- / -	- / 7.726	- / 4.504	- / 8.320	- / 5.306	- / 6.722	- / 43.016	- / 93.966	
PMA - Contractor Services	- / 1.135	- / 0.352	- / 0.500	- / 0.502	- / -	- / 0.502	- / 0.516	- / 0.529	- / 0.540	- / 0.368	- / 1.548	- / 5.990	
PMA - Other Gov't Costs	- / 0.059	- / 0.050	- / 0.075	- / 0.076	- / -	- / 0.076	- / 0.079	- / 0.080	- / 0.082	- / 0.084	- / 0.453	- / 1.038	
Subtotal: Support	2 / 16.427	2 / 16.596	2 / 12.378	2 / 11.570	- / -	2 / 11.570	2 / 8.463	2 / 12.106	1 / 8.041	2 / 10.859	4 / 56.155	19 / 152.595	
Installation													
Modification Item 1 of 1: Block 45	- / -	15 / 8.434	19 / 9.926	45 / 18.752	- / -	45 / 18.752	19 / 8.068	45 / 19.472	29 / 12.786	35 / 15.725	190 / 90.812	397 / 183.975	
Subtotal: Installation	- / -	15 / 8.434	19 / 9.926	45 / 18.752	- / -	45 / 18.752	19 / 8.068	45 / 19.472	29 / 12.786	35 / 15.725	190 / 90.812	397 / 183.975	
Total													
Total Cost (Procurement + Support + Installation)	39.966	25.030	61.345	47.266	-	47.266	57.742	58.797	54.394	54.977	313.123	712.640	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 8653 / BLOCK 45

Modification Item 1 of 1: Block 45

Manufacturer Information

Manufacturer Name: Rockwell Collins	Manufacturer Location: Cedar Rapids, IA
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 8

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 8.434	19 / 9.926	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 18.360
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	45 / 18.752	- / -	45 / 18.752	- / -	- / -	- / -	- / -	- / -	45 / 18.752
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	19 / 8.068	- / -	- / -	- / -	- / -	19 / 8.068
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 19.472	- / -	- / -	- / -	45 / 19.472
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 12.786	- / -	- / -	29 / 12.786
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 15.725	- / -	35 / 15.725
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 13.277	29 / 13.277
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	161 / 77.535	161 / 77.535
Total	- / -	15 / 8.434	19 / 9.926	45 / 18.752	- / -	45 / 18.752	19 / 8.068	45 / 19.472	29 / 12.786	35 / 15.725	190 / 90.812	397 / 183.975

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	8	7	-	3	8	8	12	11	11	11	5	5	5	4	12	11	11	11	8	7	7	7	9	9	9	8	190	397
Out	0	-	-	-	8	7	-	3	8	8	12	11	11	11	5	5	5	4	12	11	11	11	8	7	7	7	9	9	9	198	397

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0207253F
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	29.494	82.628	68.415	-	68.415	35.315	36.262	36.920	37.544	-	326.578
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	29.494	82.628	68.415	-	68.415	35.315	36.262	36.920	37.544	-	326.578
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	29.494	82.628	68.415	-	68.415	35.315	36.262	36.920	37.544	-	326.578

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

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

Description:

FY 2015 funding totals include \$24.8M appropriated for Overseas Contingency Operations.

The EC-130H COMPASS CALL aircraft is the USAF's wide-area coverage Airborne Electronic Attack (AEA) and Offensive Counter Information (OCI) weapon system. The mission equipment must continue to evolve to keep pace with the emerging adversary developments in new communications and sensor technology as well as the use of rapidly advancing commercial technology. Production funds are required for modification kit production (hardware, firmware and software) and installation of the systems and subsystems on each aircraft.

The current EC-130H COMPASS CALL inventory includes 14 operational/mission capable aircraft (Primary Mission Aircraft Inventory or PMAI) fielded, a 15th EC-130H under conversion for delivery in April 2015, and one TC-130H flight deck trainer aircraft (Basic Aircraft Inventory or BAI). Obsolescence and Diminishing Manufacturing Sources (DMS)/Vanishing Vendor Items (VVI) logistics mitigation efforts are addressed with each baseline upgrade as well as annually as part of the sustainment responsibilities.

Due to budget constraints, the AF plans to divest half of the Compass Call fleet in FY16.

The Compass Call Program is managed by Big Safari/645 AESG. Funding for this exhibit contained in PE 0207253F.

The FY2016 funding request was reduced by \$1.041 million to account for the availability of prior execution balances.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods
---	--

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0207253F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / COMPASS CALL Baseline 4 (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
1001 / COMPASS CALL (Capability Improvement)	P-3a		- / -	- / 29.494	- / 82.628	- / 38.333	- / -	- / 38.333
1003 / COMPASS CALL Baseline 3 (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 30.082	- / -	- / 30.082
Total Gross/Weapon System Cost			- / -	- / 29.494	- / 82.628	- / 68.415	- / -	- / 68.415

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / COMPASS CALL Baseline 4 (Capability Improvement)	P-40a***		- / -	- / -	- / 18.460	- / 19.285	- / -	- / 37.745
1001 / COMPASS CALL (Capability Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 150.455
1003 / COMPASS CALL Baseline 3 (Capability Improvement)	P-3a		- / 35.315	- / 36.262	- / 18.460	- / 18.259	- / -	- / 138.378
Total Gross/Weapon System Cost			- / 35.315	- / 36.262	- / 36.920	- / 37.544	- / -	- / 326.578

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods				Modification Number / Title: 1001 / COMPASS CALL				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	29.494	82.628	38.333	-	38.333	-	-	-	-	-	150.455
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	29.494	82.628	38.333	-	38.333	-	-	-	-	-	150.455
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	29.494	82.628	38.333	-	38.333	-	-	-	-	-	150.455

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

Initial Spares (<i>\$ in Millions</i>)	26.663	10.222	12.458	10.529	-	10.529	11.015	8.260	2.698	-	-	81.845
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY 2015 \$24.8M OCO funding provided for two ship-sets of 3rd Generation Special Purpose Emitter Array (SPEAR) pods that improve the survivability and effectiveness of air and surface forces by targeting enemy communications, navigation and radar systems.

The EC-130H COMPASS CALL aircraft is the USAF's wide-area, airborne Command and Control Warfare /Information Operations (C2W /IO) weapon system. The mission equipment must continue to evolve to keep pace with emerging adversary developments in new communications and sensor technology as well as use of rapidly advancing commercial technology. The EC-130H COMPASS CALL program employs an incremental baseline upgrade acquisition strategy that puts capability into the warfighter's hands as soon as practical and ensures each iteration of the weapon system is effective against the highest priority threats. A new baseline of capability is fielded approximately every three years. Capabilities inserted into each baseline are planned in advance, based on war-fighter inputs. Executive Management Reviews are held to review and "lock" baseline content as production nears. Kit components contracted for purchase and integration in a given baseline upgrade are bought in the first year of the procurement funding cycle and are installed in the next year. Production funds are required for modification kit production (hardware, firmware, and software) and installation on each aircraft based on a baseline upgrade cyclic schedule.

No Baseline 0 aircraft are currently in the field. Three Baseline 0 configured aircraft are currently in the Programmed Depot Maintenance (PDM) facility undergoing an upgrade to the Baseline 2 configuration. Seven Baseline 1 configured aircraft are fielded and operational, and one has entered the PDM facility. Baseline 2 configured aircraft efforts focus on reliability and sustainability improvements, significant obsolete parts replacement, weight reduction, operator /maintenance simplification of PME operations, and capability increases. Some examples are procurement of digital narrow band subsystem, counter radar subsystem, and 3rd Generation SPEAR. Production funds are also used for avionics modifications to meet Communications, Navigation, Surveillance /Air Traffic Management (CNS /ATM) requirements and address avionics obsolescence issues. Initial delivery of Baseline 2 configured aircraft began in February 2014. Similarly, new baselines will include necessary support equipment and simulator modifications. The simulators replicate the current aircraft configurations and address training obsolescence issues. Due to the rapidly changing threat environment encountered during our prolonged commitment to Overseas Contingency Operations (OCO), the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander requirements through Quick Reaction Capability (QRC) kits. Equipment includes aircraft and mission equipment retrofits based on the PDM and modification cyclic schedule. Program of record at the beginning of FY 2016 will include the following resources: 15 EC-130H primary mission aircraft inventory (PMAI), one (1) TC-130H flight deck trainer of basic aircraft inventory (BAI), and two (2) COMPASS CALL Mission Crew Simulators (CCMCS). The 15th EC-130H Compass Call aircraft is projected to deliver to the field in April 2015. FY 2016 funding will procure Group A and Group B kits as well as installation of such hardware during the aircraft PDM / modification cycle as per the 2015 NDAA language. The initial spares procurement funding in FY 2016 will be used to support the EC-130H mission in its theater of operations. Funding for this exhibit is contained in PE 0207253F.

Milestone/Development Status

The EC-130H COMPASS CALL weapon system is continuously improved using a rapid development and acquisition process supporting a baseline upgrade strategy. User needs and technology opportunities are continuously reviewed and a new mission equipment baseline is defined approximately every 36 months. The COMPASS CALL Baseline 2 configuration fielded in February 2014. In mid CY2016, all EC-130H Compass Call aircraft will be in the Baseline 2 configuration.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods	Modification Number / Title: 1001 / COMPASS CALL

Due to budget constraints, the Air Force plans to sustain the full EC-130H COMPASS CALL fleet through FY 2015 and divest six mission aircraft and the flight deck trainer in FY 2016.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods					Modification Number / Title: 1001 / COMPASS CALL			
Models of Systems Affected: EC-130H, TC-130H				Modification Type: Capability Improvement				Related RDT&E PEs: 0207253F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Baseline 2</i>													
A Kits													
Recurring													
Baseline 2:INSTALL KITS Group A (Active)													
	- / -	1 / 4.697	2 / 19.000	1 / 4.636	- / -	1 / 4.636	- / -	- / -	- / -	- / -	- / -	4 / 28.333	
<i>Subtotal: Recurring</i>													
	- / -	- / 4.697	- / 19.000	- / 4.636	- / -	- / 4.636	- / -	- / -	- / -	- / -	- / -	- / 28.333	
B Kits													
Recurring													
Baseline 2:EQUIPMENT Group B (Active)													
	- / -	1 / 8.713	2 / 42.792	1 / 26.015	- / -	1 / 26.015	- / -	- / -	- / -	- / -	- / -	4 / 77.520	
<i>Subtotal: Recurring</i>													
	- / -	- / 8.713	- / 42.792	- / 26.015	- / -	- / 26.015	- / -	- / -	- / -	- / -	- / -	- / 77.520	
<i>Subtotal: Baseline 2</i>													
	- / -	- / 13.410	- / 61.792	- / 30.651	- / -	- / 30.651	- / -	- / -	- / -	- / -	- / -	- / 105.853	
<i>Subtotal: Procurement, All Modification Items</i>													
	- / -	- / 13.410	- / 61.792	- / 30.651	- / -	- / 30.651	- / -	- / -	- / -	- / -	- / -	- / 105.853	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING													
	- / -	- / 1.000	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.000	
GROUP B: TOTAL NONRECURRING													
	- / -	- / 9.578	- / 9.293	- / 3.341	- / -	- / 3.341	- / -	- / -	- / -	- / -	- / -	- / 22.212	
PMA - Other Gov't Costs													
	- / -	- / 0.806	- / 0.843	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.649	
<i>Subtotal: Support</i>													
	- / -	- / 11.384	- / 11.136	- / 3.341	- / -	- / 3.341	- / -	- / -	- / -	- / -	- / -	- / 25.861	
Installation													
<i>Modification Item 1 of 1: Baseline 2</i>													
	- / -	1 / 4.700	2 / 9.700	1 / 4.341	- / -	1 / 4.341	- / -	- / -	- / -	- / -	- / -	4 / 18.741	
<i>Subtotal: Installation</i>													
	- / -	1 / 4.700	2 / 9.700	1 / 4.341	- / -	1 / 4.341	- / -	- / -	- / -	- / -	- / -	4 / 18.741	
Total													
Total Cost (Procurement + Support + Installation)													
	-	29.494	82.628	38.333	-	38.333	-	-	-	-	-	150.455	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods	Modification Number / Title: 1001 / COMPASS CALL

Modification Item 1 of 1: Baseline 2

Manufacturer Information

Manufacturer Name: L-3 Communications	Manufacturer Location: Waco, TX
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 8

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

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / 0.000	- / 0.000	- / 0.000	- / -	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.000
FY 2014	- / -	1 / 4.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.700
FY 2015	- / -	- / -	2 / 9.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 9.700
FY 2016	- / -	- / -	- / -	1 / 4.341	- / -	1 / 4.341	- / -	- / -	- / -	- / -	- / -	1 / 4.341
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 4.700	2 / 9.700	1 / 4.341	- / -	1 / 4.341	- / -	- / -	- / -	- / -	- / -	4 / 18.741

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	1	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	0	-	-	-	1	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods				Modification Number / Title: 1003 / COMPASS CALL Baseline 3				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	30.082	-	30.082	35.315	36.262	18.460	18.259	-	138.378
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	30.082	-	30.082	35.315	36.262	18.460	18.259	-	138.378
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	30.082	-	30.082	35.315	36.262	18.460	18.259	-	138.378
<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>)	-	-	-	-	-	-	-	2.754	8.094	10.974	-	21.822
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The EC-130H COMPASS CALL is the USAF's wide-area, airborne Command and Control Warfare/Information Operations (C2W/IO) weapon system. The mission equipment must continue to evolve to keep pace with emerging adversary developments in new communications and sensor technology as well as use of rapidly advancing commercial technology. The EC-130H COMPASS CALL program employs an incremental baseline upgrade acquisition strategy that puts capability into the warfighter's hands as soon as practical and ensures each iteration of the weapon system is effective against the highest priority threats. A new baseline of capability is fielded approximately every three years. Capabilities inserted into each baseline are planned in advance, based on warfighter inputs. Executive Management Reviews are held to review and "lock" baseline content as production nears. Kit components contracted for purchase and integration in a given baseline upgrade are bought in the first year of the procurement funding cycle and are installed in the next year. Production funds are required for modification kit production (hardware, firmware, and software) and installation on each aircraft based on a baseline upgrade cyclic schedule.

Baseline 3 aircraft modifications will continue to address reliability and sustainability improvements, weight reduction, as well as capability increases. Baseline 3 will also include, but is not limited to, new receiver suite, digital intercom and improved external communications. Subsequent modifications for Large Aircraft Infrared Counter Measures (LAIRCM) and Avionics are also included with the fielded aircraft. Similarly, new baselines will include necessary support equipment and simulator modifications. Baseline 2 aircraft are expected to receive Quick Reaction Capability (QRC) modifications to address emerging threats. The simulators replicate the current aircraft configurations and address training obsolescence issues. Due to the rapidly changing threat environment encountered during our prolonged commitment to Overseas Contingency Operations (OCO), the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander requirements through QRC kits. Equipment includes aircraft and mission equipment retrofits based on the PDM and modification cyclic schedule. Program of record at the beginning of FY 2016 includes the following resources: 15 EC-130H operational/mission capable aircraft (primary mission aircraft inventory or PMAI), one (1) TC-130H flight deck trainer aircraft (basic aircraft inventory or BAI), and one (1) COMPASS CALL Mission Crew Simulator (CCMCS). The 15th EC-130H Compass Call aircraft will field in mid-FY 2015. FY 2016 funding will procure Group A and Group B kits as well as installation of such hardware during the aircraft PDM/modification cycle as per the 2015 NDAA language. The initial spares procurement funding in FY 2016 will be used to support the EC-130H mission in its theater of operations. Funding for this exhibit is contained in PE 0207253F.

Due to rapid advances in electronic attack technology, the EC-130H COMPASS CALL was designed to be easily modified and must continue to modernize and evolve to keep pace with adversary tactics and emerging technologies. Continuous system development is required to maintain battlespace superiority.

Milestone/Development Status

The EC-130H COMPASS CALL weapon system is continuously improved using a rapid development and acquisition process supporting a baseline upgrade strategy. User needs and technology opportunities are continuously reviewed and a new mission equipment baseline is defined approximately every 36 months. The COMPASS CALL Baseline 3 configuration will begin initial fielding in April 2018. Of a fleet size of 15, 9 EC-130H COMPASS CALL mission aircraft are projected to receive the Baseline 3 upgrade.

Due to budget constraints, the Air Force plans to sustain the full EC-130H COMPASS CALL fleet through FY 2015 and divest six mission aircraft and the flight deck trainer in FY 2016.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods	Modification Number / Title: 1003 / COMPASS CALL Baseline 3

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods					Modification Number / Title: 1003 / COMPASS CALL Baseline 3			
Models of Systems Affected: EC-130H				Modification Type: Capability Improvement				Related RDT&E PEs: 0207253F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Baseline 3</i>													
A Kits													
Recurring													
Baseline 3:INSTALL KITS Group A (Active)	- / -	- / -	- / -	1 / 6.690	- / -	1 / 6.690	2 / 9.690	2 / 9.690	1 / 4.942	1 / 4.995	- / -	7 / 36.007	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 6.690	- / -	- / 6.690	- / 9.690	- / 9.690	- / 4.942	- / 4.995	- / -	- / 36.007	
<i>Subtotal: Baseline 3</i>	- / -	- / -	- / -	- / 6.690	- / -	- / 6.690	- / 9.690	- / 9.690	- / 4.942	- / 4.995	- / -	- / 36.007	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 6.690	- / -	- / 6.690	- / 9.690	- / 9.690	- / 4.942	- / 4.995	- / -	- / 36.007	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / -	- / 6.996	- / -	- / 6.996	- / 4.000	- / 3.000	- / 1.000	- / -	- / -	- / 14.996	
GFP	- / -	- / -	- / -	- / 11.176	- / -	- / 11.176	- / 10.659	- / 12.440	- / 6.869	- / 6.300	- / -	- / 47.444	
PMA - Other Gov't Costs	- / -	- / -	- / -	- / 1.879	- / -	- / 1.879	- / 1.830	- / 1.860	- / 0.945	- / 1.920	- / -	- / 8.434	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 20.051	- / -	- / 20.051	- / 16.489	- / 17.300	- / 8.814	- / 8.220	- / -	- / 70.874	
Installation													
<i>Modification Item 1 of 1: Baseline 3</i>	- / -	- / -	- / -	1 / 3.341	- / -	1 / 3.341	2 / 9.136	2 / 9.272	1 / 4.704	1 / 5.044	- / -	7 / 31.497	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	1 / 3.341	- / -	1 / 3.341	2 / 9.136	2 / 9.272	1 / 4.704	1 / 5.044	- / -	7 / 31.497	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	30.082	-	30.082	35.315	36.262	18.460	18.259	-	138.378	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods	Modification Number / Title: 1003 / COMPASS CALL Baseline 3

Modification Item 1 of 1: Baseline 3

Manufacturer Information

Manufacturer Name: L-3Communications	Manufacturer Location: Waco, TX
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 8

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

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	1 / 3.341	- / -	1 / 3.341	- / -	- / -	- / -	- / -	- / -	1 / 3.341
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	2 / 9.136	- / -	- / -	- / -	- / -	2 / 9.136
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 9.272	- / -	- / -	- / -	2 / 9.272
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.704	- / -	- / -	1 / 4.704
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.044	- / -	1 / 5.044
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 3.341	- / -	1 / 3.341	2 / 9.136	2 / 9.272	1 / 4.704	1 / 5.044	- / -	7 / 31.497

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	1	-	-	1	1	-	-	1	-	-	-	-	1	-	-	7
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	1	1	-	-	1	-	-	1	-	-	7

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: DARP01 / RC-135
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0305207F
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	174.513	163.346	156.165	-	156.165	199.323	202.851	186.275	189.628	-	1,272.101
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	174.513	163.346	156.165	-	156.165	199.323	202.851	186.275	189.628	-	1,272.101
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	174.513	163.346	156.165	-	156.165	199.323	202.851	186.275	189.628	-	1,272.101

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

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

Description:

FY 2014 funding totals includes an OCO Add of \$2.7M for X-Net integration.

FY 2015 funding totals includes a Congressional Add of \$10.6M for baseline modernization shortfalls.

The USAF's Manned Reconnaissance Systems program includes 17 RC-135 V/W RIVET JOINT, three RC-135S COBRA BALL, and two RC-135U COMBAT SENT mission aircraft performing Air Combat Command (ACC) operational missions. The RC-135V/W RIVET JOINT is the majority variant that drives the Baseline integration and modification upgrade strategy for the entire RC-135 fleet. Therefore, the majority of the modification budget is directly related to the RIVET JOINT weapon system baseline strategy enhancements which subsequently transfers into the follow-on baseline strategy enhancements for COBRA BALL and COMBAT SENT weapon systems.

A 2008 RC-135 Viability Assessment reported that despite the fleet average airframe age (44 years) and accumulated flight hours (38,000) as of the end of FY 2007, the RC-135 should be able to continue to meet the user's needs by performing intended operations through at least 2040. Viability was assessed based on underlying analyses of reliability, maintainability, performance, corrosion, fatigue, architectural stability, safety and availability. The Viability Assessment also summarized that the RC-135 fleet has experienced significant improvements in reliability, maintainability and availability since FY 2001. The Program Manager attributes these improvements directly to the 645 AESG Baseline integration and modification upgrade strategy and synergies gained with long standing relationships with the RC-135 industry partners.

FY 2016 procurement funding efforts will concentrate on completing the conversion of the RIVET JOINT from a Baseline 9 to a Baseline 11 plus Baseline 10 to Baseline 12 integration efforts, and the COBRA BALL and COMBAT SENT from a Baseline 4 to a Baseline 5 integration effort as per the programmed depot maintenance schedule (COBRA BALL and COMBAT SENT Baseline 5 configurations most closely aligns with the RIVET JOINT Baseline 11 configuration). The RIVET JOINT Baseline 11 and 12 integration efforts address the 2012 RC-135 Multi-Attribute Utility Assessment (MUA), that detailed operational effectiveness, cost and program analyses of the alternative weapon system configurations. The MUA determined that retaining and sustaining the RC-135V/W airframe offers the highest assessed weapons system utility (measured as a benefit of cost-to-risk ratio) over the 25 year assessment period.

Funding for this exhibit is contained in PE 0305207F, Manned Reconnaissance Systems.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: DARP01 / RC-135
---	---

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0305207F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
2504 / COBRA BALL (Capability Improvement)	P-3a		- / -	- / 9.129	- / 6.062	- / 6.144	- / -	- / 6.144
4263 / RIVET JOINT (Capability Improvement)	P-3a		- / -	- / 154.940	- / 146.745	- / 143.388	- / -	- / 143.388
4265 / COMBAT SENT (Capability Improvement)	P-3a		- / -	- / 10.444	- / 10.539	- / 6.633	- / -	- / 6.633
Total Gross/Weapon System Cost			- / -	- / 174.513	- / 163.346	- / 156.165	- / -	- / 156.165

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
2504 / COBRA BALL (Capability Improvement)	P-3a		- / 6.325	- / 6.537	- / 6.776	- / 6.898	- / -	- / 47.871
4263 / RIVET JOINT (Capability Improvement)	P-3a		- / 186.270	- / 189.421	- / 172.665	- / 175.773	- / -	- / 1,169.202
4265 / COMBAT SENT (Capability Improvement)	P-3a		- / 6.728	- / 6.893	- / 6.834	- / 6.957	- / -	- / 55.028
Total Gross/Weapon System Cost			- / 199.323	- / 202.851	- / 186.275	- / 189.628	- / -	- / 1,272.101

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

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

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: DARP01 / RC-135					Modification Number / Title: 2504 / COBRA BALL		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	9.129	6.062	6.144	-	6.144	6.325	6.537	6.776	6.898	-	47.871
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	9.129	6.062	6.144	-	6.144	6.325	6.537	6.776	6.898	-	47.871
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	9.129	6.062	6.144	-	6.144	6.325	6.537	6.776	6.898	-	47.871
<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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY 2016 procurement funding acquires and installs various upgrade and enhancement modifications for the three RC-135S COBRA BALL aircraft performing Air Combat Command (ACC) directed operational missions. Due to the rapidly changing global threat environment, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander (COCOM) and Intelligence Community (IC) requirements.

The RC-135S COBRA BALL program (DARP/Manned Reconnaissance Systems) is managed as an incremental baseline upgrade acquisition strategy in order to maintain collection parity with evolving and emerging adversarial weapons systems utilized by state and non-state actors. The 645 AESG Baseline upgrade strategy requires purchase agreements for long lead items that take approximately 12 months from contract award to delivery. Items contracted for purchase and integration in a given Baseline upgrade are bought in the first year of the procurement funding cycle and are installed in the subsequent year. This acquisition strategy has been successful in maintaining critical combat capability in the ISR arena over the last 40 years.

FY 2016 procurement funding efforts will concentrate on initiatives pertaining to the COBRA BALL Baseline 5 enhancements. Baseline 5 subsystem upgrades consist of, but are not limited to, Wideband Global Satellite (WGS) reachback connectivity, aircraft intercom system replacement, improved operator interface and reporting tools, integration of the RIVET JOINT Baseline 11 communications intelligence (COMINT) suite, and enhancing capabilities in dense signal environments.

Funding for this exhibit contained in PE 0305207F.

Milestone/Development Status

FY 2016 procurement funding associated with the acquisition, integration, fielding and logistical support efforts for the Baseline 5 configuration upgrades/enhancements of the three RC-135S COBRA BALL aircraft, sensor systems, and associated ground support system are attributed to the development efforts initiated in FY 2014 and FY 2015 research & development funding initiatives. These initiatives formed the basis for the RC-135S COBRA BALL fleet modification strategy.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: DARP01 / RC-135					Modification Number / Title: 2504 / COBRA BALL			
Models of Systems Affected: RC-135S, TC-135W				Modification Type: Capability Improvement				Related RDT&E PEs: 0305207F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Baseline 5</i>													
A Kits													
Recurring													
Baseline 5:INSTALL KITS Group A (Active)													
	- / -	1 / 2.025	1 / 1.049	1 / 1.063	- / -	1 / 1.063	1 / 1.086	1 / 1.095	1 / 1.111	1 / 1.131	- / -	7 / 8.560	
<i>Subtotal: Recurring</i>													
	- / -	- / 2.025	- / 1.049	- / 1.063	- / -	- / 1.063	- / 1.086	- / 1.095	- / 1.111	- / 1.131	- / -	- / 8.560	
B Kits													
Recurring													
Baseline 5:EQUIPMENT Group B (Active)													
	- / -	1 / 2.332	1 / 1.516	1 / 1.558	- / -	1 / 1.558	1 / 1.623	1 / 1.734	1 / 1.867	1 / 1.901	- / -	7 / 12.531	
<i>Subtotal: Recurring</i>													
	- / -	- / 2.332	- / 1.516	- / 1.558	- / -	- / 1.558	- / 1.623	- / 1.734	- / 1.867	- / 1.901	- / -	- / 12.531	
<i>Subtotal: Baseline 5</i>													
	- / -	- / 4.357	- / 2.565	- / 2.621	- / -	- / 2.621	- / 2.709	- / 2.829	- / 2.978	- / 3.032	- / -	- / 21.091	
<i>Subtotal: Procurement, All Modification Items</i>													
	- / -	- / 4.357	- / 2.565	- / 2.621	- / -	- / 2.621	- / 2.709	- / 2.829	- / 2.978	- / 3.032	- / -	- / 21.091	
Installation													
<i>Modification Item 1 of 1: Baseline 5</i>													
	- / -	1 / 4.772	1 / 3.497	1 / 3.523	- / -	1 / 3.523	1 / 3.616	1 / 3.708	1 / 3.798	1 / 3.866	- / -	7 / 26.780	
<i>Subtotal: Installation</i>													
	- / -	1 / 4.772	1 / 3.497	1 / 3.523	- / -	1 / 3.523	1 / 3.616	1 / 3.708	1 / 3.798	1 / 3.866	- / -	7 / 26.780	
Total													
Total Cost (Procurement + Support + Installation)	-	9.129	6.062	6.144	-	6.144	6.325	6.537	6.776	6.898	-	47.871	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: DARP01 / RC-135	Modification Number / Title: 2504 / COBRA BALL

Modification Item 1 of 1: Baseline 5

Manufacturer Information

Manufacturer Name: L-3Communications	Manufacturer Location: Greenville, TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 6

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates	Jun 2014	Jun 2015	Jun 2016	Jun 2017	Jun 2018	Jun 2019	Jun 2020

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	1 / 4.772	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.772
FY 2015	- / -	- / -	1 / 3.497	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.497
FY 2016	- / -	- / -	- / -	1 / 3.523	- / -	1 / 3.523	- / -	- / -	- / -	- / -	- / -	1 / 3.523
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.616	- / -	- / -	- / -	- / -	1 / 3.616
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.708	- / -	- / -	- / -	1 / 3.708
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.798	- / -	- / -	1 / 3.798
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.866	- / -	1 / 3.866
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 4.772	1 / 3.497	1 / 3.523	- / -	1 / 3.523	1 / 3.616	1 / 3.708	1 / 3.798	1 / 3.866	- / -	7 / 26.780

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot			
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	7
Out	0	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	7	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: DARP01 / RC-135				Modification Number / Title: 4263 / RIVET JOINT			

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	154.940	146.745	143.388	-	143.388	186.270	189.421	172.665	175.773	-	1,169.202
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	154.940	146.745	143.388	-	143.388	186.270	189.421	172.665	175.773	-	1,169.202
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	154.940	146.745	143.388	-	143.388	186.270	189.421	172.665	175.773	-	1,169.202
<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>)	41.047	28.280	57.119	54.016	-	54.016	48.632	49.407	50.331	51.237	-	380.069
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY 2015 funding totals include a \$10.6M Congressional Add for Baseline modernization shortfalls.

FY 2016 procurement funding acquires and installs various upgrade and enhancement modifications for the seventeen RC-135V/W RIVET JOINT aircraft performing Air Combat Command (ACC) directed operational missions. Due to the rapidly changing global threat environment, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander (COCOM) and Intelligence Community (IC) requirements.

The RC-135V/W RIVET JOINT program (DARP/Manned Reconnaissance Systems) is managed as an incremental baseline upgrade acquisition strategy in order to maintain collection parity with an evolving threat environment. The BIG SAFARI Baseline upgrade strategy requires purchase agreements for long lead items that take approximately 12 months from contract award to delivery. Items contracted for purchase and integration in a given Baseline upgrade are bought in the first year of the procurement funding cycle and are installed in the next year. This acquisition strategy has been successful in maintaining critical combat capability in the ISR arena over the last 40 years.

FY 2016 procurement funding will concentrate on completing the integration and fielding efforts of the RIVET JOINT's Baseline 11, and initial integration of Baseline 12. Baseline 11 subsystem upgrades consist of, but are not limited to, precision multi-angle direction finding communications intelligence (DF COMINT) capability, electronic intelligence (ELINT) recorder expansion, precision ELINT digital SIGINT system (DSS) integration, wideband global satellite (WGS) enhanced integration, increased near real time (NRT) national tactical integration, continued CNS/ATM and RNP compliant cockpit avionics enhancements to include addressing any obsolescence issues, new steerable beam antenna, weight reduction phase 3, improved operator interface and reporting tools, and enhancing capabilities in dense signal environments. Baseline 12 subsystem upgrades consist of, but are not limited to, increased digital signal exploitation, increased digital signal recorder bandwidth, enhanced spatial processing/exploitation, enhanced weather radar, digitally enhanced electronic flight instrument system (EFIS), AF-DCGS interoperability, operator work station 3-D map projection, enhanced operator reporting management tools, modernized communications security (COMSEC) protocols, and new steerable beam antenna.

Funding for this exhibit contained in PE 0305207F.

Milestone/Development Status

FY 2016 procurement funding associated with acquisition, integration, fielding and logistical support efforts for the Baseline 11 and Baseline 12 configuration upgrades / enhancements of the RC-135V/W RIVET JOINT aircraft, sensor systems, and associated ground support system are attributed to the development efforts initiated in FY 2014 and FY 2015 research & development funding initiatives. These initiatives formed the basis for the RC-135V/W RIVET JOINT fleet modification strategy.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: DARP01 / RC-135	Modification Number / Title: 4263 / RIVET JOINT

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: DARP01 / RC-135	Modification Number / Title: 4263 / RIVET JOINT

Models of Systems Affected: RC-135V, RC-135W, TC-135W	Modification Type: Capability Improvement	Related RDT&E PEs: 0305207F
--	--	--

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1: Baseline 11</i>												
A Kits												
Recurring												
Baseline 11:INSTALL KITS Group A (Active)	- / -	4 / 15.485	4 / 11.781	4 / 12.160	- / -	4 / 12.160	4 / 12.315	4 / 12.881	4 / 13.339	4 / 13.579	- / -	28 / 91.540
<i>Subtotal: Recurring</i>	- / -	- / 15.485	- / 11.781	- / 12.160	- / -	- / 12.160	- / 12.315	- / 12.881	- / 13.339	- / 13.579	- / -	- / 91.540
B Kits												
Recurring												
Baseline 11:EQUIPMENT Group B (Active)	- / -	4 / 93.590	4 / 88.621	4 / 83.713	- / -	4 / 83.713	4 / 125.144	4 / 127.442	4 / 109.891	4 / 111.869	- / -	28 / 740.270
<i>Subtotal: Recurring</i>	- / -	- / 93.590	- / 88.621	- / 83.713	- / -	- / 83.713	- / 125.144	- / 127.442	- / 109.891	- / 111.869	- / -	- / 740.270
<i>Subtotal: Baseline 11</i>	- / -	- / 109.075	- / 100.402	- / 95.873	- / -	- / 95.873	- / 137.459	- / 140.323	- / 123.230	- / 125.448	- / -	- / 831.810
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 109.075	- / 100.402	- / 95.873	- / -	- / 95.873	- / 137.459	- / 140.323	- / 123.230	- / 125.448	- / -	- / 831.810
Support (All Modification Items)												
PMA - Other Gov't Costs	- / -	- / 1.312	- / 1.313	- / 1.314	- / -	- / 1.314	- / 1.315	- / 1.316	- / 1.317	- / 1.341	- / -	- / 9.228
<i>Subtotal: Support</i>	- / -	- / 1.312	- / 1.313	- / 1.314	- / -	- / 1.314	- / 1.315	- / 1.316	- / 1.317	- / 1.341	- / -	- / 9.228
Installation												
<i>Modification Item 1 of 1: Baseline 11</i>												
	- / -	4 / 44.553	4 / 45.030	4 / 46.201	- / -	4 / 46.201	4 / 47.496	4 / 47.782	4 / 48.118	4 / 48.984	- / -	28 / 328.164
<i>Subtotal: Installation</i>	- / -	4 / 44.553	4 / 45.030	4 / 46.201	- / -	4 / 46.201	4 / 47.496	4 / 47.782	4 / 48.118	4 / 48.984	- / -	28 / 328.164
Total												
Total Cost (Procurement + Support + Installation)	-	154.940	146.745	143.388	-	143.388	186.270	189.421	172.665	175.773	-	1,169.202

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: DARP01 / RC-135	Modification Number / Title: 4263 / RIVET JOINT

Modification Item 1 of 1: Baseline 11

Manufacturer Information

Manufacturer Name: L-3Communications	Manufacturer Location: Greenville, TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 6

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates	Jun 2014	Jun 2015	Jun 2016	Jun 2017	Jun 2018	Jun 2019	Jun 2020

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	4 / 44.553	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 44.553
FY 2015	- / -	- / -	4 / 45.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 45.030
FY 2016	- / -	- / -	- / -	4 / 46.201	- / -	4 / 46.201	- / -	- / -	- / -	- / -	- / -	4 / 46.201
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	4 / 47.496	- / -	- / -	- / -	- / -	4 / 47.496
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 47.782	- / -	- / -	- / -	4 / 47.782
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 48.118	- / -	- / -	4 / 48.118
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 48.984	- / -	4 / 48.984
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	4 / 44.553	4 / 45.030	4 / 46.201	- / -	4 / 46.201	4 / 47.496	4 / 47.782	4 / 48.118	4 / 48.984	- / -	28 / 328.164

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	28
Out	0	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	28

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: DARP01 / RC-135				Modification Number / Title: 4265 / COMBAT SENT				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	10.444	10.539	6.633	-	6.633	6.728	6.893	6.834	6.957	-	55.028
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	10.444	10.539	6.633	-	6.633	6.728	6.893	6.834	6.957	-	55.028
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	10.444	10.539	6.633	-	6.633	6.728	6.893	6.834	6.957	-	55.028

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY 2016 procurement funding acquires and installs various upgrade and enhancement modifications for the two RC-135U COMBAT SENT aircraft performing Air Combat Command (ACC) directed operational missions. Due to the rapidly changing global threat environment and technological advances of our adversaries, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander (COCOM) and Intelligence Community (IC) requirements.

The RC-135U COMBAT SENT program (DARP/Manned Reconnaissance Systems) is managed as an incremental baseline upgrade acquisition strategy in order to maintain collection parity with evolving threat environment. The BIG SAFARI Baseline upgrade strategy requires purchase agreements for long lead items that take approximately 12 months from contract award to delivery. Items contracted for purchase and integration in a given Baseline upgrade are bought in the first year of the procurement funding cycle and are installed in the next year. This acquisition strategy has been successful in maintaining critical combat capability in the ISR arena over the last 40 years.

FY 2016 procurement funding efforts will concentrate on efforts pertaining to the COMBAT SENT Baseline 5 enhancements. Baseline 5 subsystem upgrades consist of, but are not limited to, Wideband Global Satellite (WGS) reachback connectivity, precision ELINT systems (CORVUS & DSS) replacement, liquid cooling system, super wideband receiver, airborne tracking system, improved operator interface and reporting tools, integration of the RIVET JOINT Baseline 11 COMINT suite, and enhancing capabilities in dense signal environments.

Funding for this exhibit contained in PE 0305207F.

Milestone/Development Status

FY 2016 procurement funding associated with the acquisition, integration, fielding and logistical support efforts for the Baseline 5 configuration upgrades/enhancements of the two RC-135U COMBAT SENT aircraft, sensor systems, and associated ground support system are attributed to the development efforts initiated in FY 2014 and FY 2015 research & development funding initiatives. These initiatives formed the basis for the RC-135U COMBAT SENT fleet modification strategy.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: DARP01 / RC-135					Modification Number / Title: 4265 / COMBAT SENT			
Models of Systems Affected: RC-135U				Modification Type: Capability Improvement				Related RDT&E PEs: 0305207F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Baseline 5 (2)</i>													
A Kits													
Recurring													
Baseline 5:INSTALL KITS Group A (Active)													
	- / -	1 / 2.045	1 / 2.296	1 / 1.062	- / -	1 / 1.062	1 / 1.058	1 / 1.027	1 / 1.103	1 / 1.121	- / -	7 / 9.712	
<i>Subtotal: Recurring</i>													
	- / -	- / 2.045	- / 2.296	- / 1.062	- / -	- / 1.062	- / 1.058	- / 1.027	- / 1.103	- / 1.121	- / -	- / 9.712	
B Kits													
Recurring													
Baseline 5:EQUIPMENT Group B (Active)													
	- / -	1 / 3.323	1 / 4.040	1 / 1.690	- / -	1 / 1.690	1 / 1.818	1 / 2.081	1 / 2.042	1 / 2.081	- / -	7 / 17.075	
<i>Subtotal: Recurring</i>													
	- / -	- / 3.323	- / 4.040	- / 1.690	- / -	- / 1.690	- / 1.818	- / 2.081	- / 2.042	- / 2.081	- / -	- / 17.075	
<i>Subtotal: Baseline 5 (2)</i>													
	- / -	- / 5.368	- / 6.336	- / 2.752	- / -	- / 2.752	- / 2.876	- / 3.108	- / 3.145	- / 3.202	- / -	- / 26.787	
<i>Subtotal: Procurement, All Modification Items</i>													
	- / -	- / 5.368	- / 6.336	- / 2.752	- / -	- / 2.752	- / 2.876	- / 3.108	- / 3.145	- / 3.202	- / -	- / 26.787	
Installation													
<i>Modification Item 1 of 1: Baseline 5 (2)</i>													
	- / -	1 / 5.076	1 / 4.203	1 / 3.881	- / -	1 / 3.881	1 / 3.852	1 / 3.785	1 / 3.689	1 / 3.755	- / -	7 / 28.241	
<i>Subtotal: Installation</i>													
	- / -	1 / 5.076	1 / 4.203	1 / 3.881	- / -	1 / 3.881	1 / 3.852	1 / 3.785	1 / 3.689	1 / 3.755	- / -	7 / 28.241	
Total													
Total Cost (Procurement + Support + Installation)	-	10.444	10.539	6.633	-	6.633	6.728	6.893	6.834	6.957	-	55.028	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: DARP01 / RC-135	Modification Number / Title: 4265 / COMBAT SENT

Modification Item 1 of 1: Baseline 5 (2)

Manufacturer Information

Manufacturer Name: L-3Communications	Manufacturer Location: Greenville, TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 18

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates	Jun 2015	Jun 2016	Jun 2017	Jun 2018	Jun 2019	Jun 2020	Jun 2021

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	1 / 5.076	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.076
FY 2015	- / -	- / -	1 / 4.203	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.203
FY 2016	- / -	- / -	- / -	1 / 3.881	- / -	1 / 3.881	- / -	- / -	- / -	- / -	- / -	1 / 3.881
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.852	- / -	- / -	- / -	- / -	1 / 3.852
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.785	- / -	- / -	- / -	1 / 3.785
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.689	- / -	- / -	1 / 3.689
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.755	- / -	1 / 3.755
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 5.076	1 / 4.203	1 / 3.881	- / -	1 / 3.881	1 / 3.852	1 / 3.785	1 / 3.689	1 / 3.755	- / -	7 / 28.241

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot			
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	7
Out	0	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	7

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: E00300 / E-3
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207417F	Other Related Program Elements: 0207417F
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	747.184	138.513	16.491	13.178	-	13.178	77.941	115.830	126.545	154.883	-	1,390.565
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	747.184	138.513	16.491	13.178	-	13.178	77.941	115.830	126.545	154.883	-	1,390.565
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	747.184	138.513	16.491	13.178	-	13.178	77.941	115.830	126.545	154.883	-	1,390.565

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

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

Description:

Totals include funding for Airborne Warning and Control System (AWACS) Upgrades.

This line item funds modifications and resolves Diminishing Manufacturing Sources (DMS) issues for the overall E-3 weapon system to include aircraft, simulators, and training devices. The four-engine E-3 is a modified Boeing 707 airframe which carries airborne radar and provides all-altitude air surveillance, threat warning, and control of theater air forces. Historically, the primary modification budgeted in Weapon System Code (WSC) E00300 is the AWACS Block 40/45 Upgrade (MDAP), but as part of the Major Programs Transparency Act and starting in FY15, the Block 40/45 Upgrade was moved to WSC E34045. Other modifications budgeted and programmed are listed below:

- DMS Replacement of the Avionics for Global Operation and Navigation (DRAGON)
- Next Generation Identify Friend or Foe (NGIFF)
- Reliability, Maintainability, and Availability (RM&A) Mods
- Low Cost Mods
- Vertical Stabilizer and Rudder Mods
- Training, Support, and Infrastructure (TSI).
- Electronic Protection (EP)
- Internet Protocol Enabled Communication (IPEC)
- CID (Combat Identification) Diminishing Manufacturing Sources (DMS)

The AWACS Block 40/45 modification upgrades legacy E-3 mission systems computers, display processors, displays, and multiple training systems. Additional data on the modification can be found at WSC E34045.

The Next Generation Identify Friend or Foe (NGIFF) upgrades AWACS with enhanced Identify Friend or Foe (IFF) interrogator operations to add a more secure Mode 5 capability. NGIFF will also integrate Mode S, a civilian air traffic control capability residing in the NGIFF hardware. The FY15 President's Budget sought to divest seven (7) E-3 aircraft, which would have reduced the fleet size from thirty one (31) to twenty four (24). Congress rejected the Air Force's proposed FY15 AWACS divestiture, and in response, the Air Force re-phased the E-3 force reduction of seven (7) aircraft from FY16 to FY19. NGIFF production concludes prior to the proposed FY19 divestiture, and as such, will be executing to a programmatic baseline of 31 aircraft.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: E00300 / E-3	
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207417F	Other Related Program Elements: 0207417F

Funding for this exhibit contained in PE 0207417F and PE 0809731F.

The FY2016 funding request was reduced by \$3.013 million to account for the availability of prior execution balances.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
E00300 / E-3

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207417F **Other Related Program Elements:** 0207417F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / TSI (No text provided.)	P-40a***		- / 10.270	- / 2.845	- / 3.335	- / 4.015	- / -	- / 4.015
2 / BLOCK 40/45 UPGRADE (Capability Improvement)	P-40a***		- / 543.807	- / 114.439	- / -	- / -	- / -	- / -
3 / NAVWAR (Capability Improvement)	P-40a***		- / 13.972	- / -	- / -	- / -	- / -	- / -
4 / INTEGRATED DAMA GATM (Capability Improvement)	P-40a***		- / 130.323	- / -	- / -	- / -	- / -	- / -
5 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Capability Improvement)	P-40a***		- / 4.916	- / 0.100	- / 0.608	- / 0.687	- / -	- / 0.687
6 / RM&A Mod (Reliability & Maintainability)	P-40a***		- / 15.216	- / 3.590	- / 2.266	- / 0.825	- / -	- / 0.825
7 / E-3 DRAGON (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
8 / VERTICAL STABILIZER AND RUDDER (Reliability & Maintainability)	P-40a***		- / 0.077	- / 0.238	- / 0.107	- / 0.665	- / -	- / 0.665
9 / ELECTRONIC PROTECTION (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
10 / IP-enabled Capability (IPEC) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
11 / Combat ID Diminishing Manufacturing Sources (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
12 / LOW COST MOD - AIRFRAME (Reliability & Maintainability)	P-40a***		- / 0.100	- / 0.012	- / 0.138	- / 0.100	- / -	- / 0.100
13 / LOW COST MOD - AVIONICS & MISSION SYSTEMS (Reliability & Maintainability)	P-40a***		- / 0.100	- / 0.012	- / 0.138	- / 0.100	- / -	- / 0.100
7225 / NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF) (Capability Improvement)	P-3a		- / 28.403	- / 17.277	- / 9.899	- / 6.786	- / -	- / 6.786
Total Gross/Weapon System Cost			- / 747.184	- / 138.513	- / 16.491	- / 13.178	- / -	- / 13.178

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / TSI (No text provided.)	P-40a***		- / 3.902	- / 3.716	- / 4.044	- / 4.165	- / -	- / 36.292
2 / BLOCK 40/45 UPGRADE (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 658.246
3 / NAVWAR (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 13.972
4 / INTEGRATED DAMA GATM (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 130.323
5 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Capability Improvement)	P-40a***		- / 0.693	- / 0.706	- / 0.719	- / 0.731	- / -	- / 9.160
6 / RM&A Mod (Reliability & Maintainability)	P-40a***		- / 0.668	- / 0.320	- / 0.095	- / 0.505	- / -	- / 23.485
7 / E-3 DRAGON (Capability Improvement)	P-40a***		- / 54.689	- / 89.668	- / 86.344	- / 117.856	- / -	- / 348.557
8 / VERTICAL STABILIZER AND RUDDER (Reliability & Maintainability)	P-40a***		- / 0.287	- / 0.135	- / 0.018	- / -	- / -	- / 1.527
9 / ELECTRONIC PROTECTION (Capability Improvement)	P-40a***		- / 1.288	- / 11.960	- / 12.930	- / 11.870	- / -	- / 38.048
10 / IP-enabled Capability (IPEC) (Capability Improvement)	P-40a***		- / 12.961	- / 9.263	- / 17.904	- / 5.488	- / -	- / 45.616
11 / Combat ID Diminishing Manufacturing Sources (Capability Improvement)	P-40a***		- / -	- / -	- / 4.491	- / 14.268	- / -	- / 18.759
12 / LOW COST MOD - AIRFRAME (Reliability & Maintainability)	P-40a***		- / 0.100	- / 0.031	- / -	- / -	- / -	- / 0.481
13 / LOW COST MOD - AVIONICS & MISSION SYSTEMS (Reliability & Maintainability)	P-40a***		- / 0.100	- / 0.031	- / -	- / -	- / -	- / 0.481

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: E00300 / E-3
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207417F	Other Related Program Elements: 0207417F
---	--	---

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
7225 / NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF) (Capability Improvement)	P-3a		- / 3.253	- / -	- / -	- / -	- / -	- / 65.618
Total Gross/Weapon System Cost			- / 77.941	- / 115.830	- / 126.545	- / 154.883	- / -	- / 1,390.565

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E00300 / E-3	Modification Number / Title: 7225 / NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	28.403	17.277	9.899	6.786	-	6.786	3.253	-	-	-	-	65.618
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	28.403	17.277	9.899	6.786	-	6.786	3.253	-	-	-	-	65.618
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	28.403	17.277	9.899	6.786	-	6.786	3.253	-	-	-	-	65.618
<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>)	10.823	11.262	-	3.880	-	3.880	-	-	-	-	-	25.965
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Next Generation Identification Friend or Foe (NGIFF) program funds acquisition and retrofit of the E-3 Airborne Warning and Control System (AWACS) IFF capability. The National Security Agency (NSA) declared IFF Mode 4 unsecure and obsolete on 5 Nov 2003. Joint Requirements Oversight Council Memo 047-07 requires IFF Mode 5 interrogation capability by FY14. While NGIFF will not meet IOC by the original FY14 target, current IOC projection (2016) will meet current user expectations. Next Generation Identification Friend or Foe (NGIFF) Program provides AWACS with enhanced IFF interrogator operation to add a more secure Mode 5 capability. NGIFF also integrates Mode S, a civilian air traffic control capability residing in the NGIFF hardware, as funding allows. The NGIFF program provides AWACS with enhanced IFF interrogator operation to add a more secure Mode 5 capability. This program develops and integrates a basic Mode 5 capability on Block 30/35 which started in FY08 and full Mode 5 on Block 40/45 which started in FY11. Hardware will be common between the two platforms. Production started in FY12 after development of the 30/35 capability. Block 30/35 installation is planned to start in FY15. An ECP is currently underway to modify the 40/45 units to fully integrate with NGIFF.

The FY15 President's Budget sought to divest seven (7) E-3 aircraft, which would have reduced the fleet size from thirty one (31) to twenty four (24). Congress rejected the Air Force's proposed FY15 AWACS divestiture, and in response, the Air Force re-phased the E-3 force reduction of seven (7) aircraft from FY16 to FY19. NGIFF production concludes prior to the proposed FY19 divestiture, and as such, will be executing to a programmatic baseline of 31 aircraft.

FY16 costs cover contract closeout, support, and transition to sustainment. Installs are done at the Organizational/Intermediate level. This modification has related RDT&E funding in PE 0207417F.

Milestone/Development Status

- EMD started in FY09.
- 02/09 - Block 30/35 EMD Contract Awarded
- 10/10 - Block 30/35 Development/Operational Test and Evaluation
- 10/10 - Block 40/45 EMD Contract Awarded
- 12/14 - Projected EMD Completion
- 12/15 - Projected IOC

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E00300 / E-3	Modification Number / Title: 7225 / NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force											Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: E00300 / E-3				Modification Number / Title: 7225 / NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)					
Models of Systems Affected: E-3				Modification Type: Capability Improvement				Related RDT&E PEs: 0207417F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207417F	- / 96.296	- / 21.554	- / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 119.350	
Procurement													
<i>Modification Item 1 of 1:</i> NGIFF													
A Kits													
Recurring													
NGIFF:INSTALL KITS Group A (Active)	12 / 0.494	12 / 0.458	7 / 0.267	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 1.219	
<i>Subtotal: Recurring</i>	- / 0.494	- / 0.458	- / 0.267	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.219	
B Kits													
Recurring													
NGIFF:EQUIPMENT Group B (Active)	12 / 17.965	12 / 15.642	7 / 7.133	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 40.740	
<i>Subtotal: Recurring</i>	- / 17.965	- / 15.642	- / 7.133	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 40.740	
<i>Subtotal: NGIFF</i>	- / 18.459	- / 16.100	- / 7.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 41.959	
<i>Subtotal: Procurement, All Modification Items</i>	- / 18.459	- / 16.100	- / 7.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 41.959	
Support (All Modification Items)													
SUPPORT-EQUIP	- / 8.535	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.535	
ICS-Labor	- / -	- / -	- / 0.914	- / 15.543	- / -	- / 15.543	- / 2.632	- / -	- / -	- / -	- / -	- / 9.089	
GFP	- / 0.143	- / 0.097	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.240	
PMA - Other Gov't Costs	- / 0.555	- / 0.333	- / 0.468	- / 0.185	- / -	- / 0.185	- / 0.092	- / -	- / -	- / -	- / -	- / 1.633	
PMA - Contractor Services	- / 0.711	- / 0.747	- / 1.117	- / 1.058	- / -	- / 1.058	- / 0.529	- / -	- / -	- / -	- / -	- / 4.162	
<i>Subtotal: Support</i>	- / 9.944	- / 1.177	- / 2.499	- / 6.786	- / -	- / 6.786	- / 3.253	- / -	- / -	- / -	- / -	- / 23.659	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	28.403	17.277	9.899	6.786	-	6.786	3.253	-	-	-	-	65.618	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E00300 / E-3	Modification Number / Title: 7225 / NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)

Modification Item 1 of 1: NGIFF

Manufacturer Information

Manufacturer Name: Telephonics	Manufacturer Location: Huntington, NY
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 22

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015				
Delivery Dates	Oct 2015	Oct 2016	Oct 2017				

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 24
---	----------------------------------

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: E00400 / E-4
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0302015F	Other Related Program Elements: 0101316F, 0302015F
--	---	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	129.472	17.165	17.091	23.937	-	23.937	54.297	32.799	40.030	42.151	-	356.942
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	129.472	17.165	17.091	23.937	-	23.937	54.297	32.799	40.030	42.151	-	356.942
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	129.472	17.165	17.091	23.937	-	23.937	54.297	32.799	40.030	42.151	-	356.942

(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 Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds modifications to the four aircraft E-4B fleet. The four engine E-4B is a highly modified Boeing 747 Model 200 (747-200) airframe which supports the National Airborne Operations Center (NAOC) mission. NAOC provides national civilian and military leadership with a worldwide, survivable, and enduring communications node of the National Military Command System (NMCS). The modifications listed within this document provide updates to maintain Federal Aviation Agency (FAA) airframe flight worthiness certification and provide additional capabilities to the aircraft flight control, navigation and communication systems, as well as the primary mission equipment to ensure the E-4B is able to execute its various missions. These modifications also enhance operational capability while improving flight safety, reliability, and maintainability.

The current Boeing estimated design service life of the Boeing 747-200 E-4B airframe is 115K hours and 30K cycles. It is estimated this limit will be reached during 2030. However, as the aircraft age, depot periods will need to be extended due to maintenance issues associated with an aging fleet, thus limiting the E-4B ability to support the NAOC mission due to aircraft non-availability. The maintenance limiting point is expected to occur during the decade beginning 2020. The age of the four E-4B aircraft fleet presents Diminishing Manufacturing Sources (DMS) issues involving primary mission equipment, and to a lesser extent the airframe. Airframe DMS and issues associated with the non-availability of FAA certified parts are expected to increase due to the dwindling world-wide number of Boeing 747-200 aircraft due to the international commercial airline industry removing aging aircraft from their inventories.

The Nuclear Planning and Execution System (NPES) is an active Nuclear Command, Control, and Communications (NC3) asset required to perform the NAOC's mission. Funding for this exhibit is contained in PE 0101316F.

The FY2016 funding request was reduced by \$4.169 million to account for the availability of prior execution balances.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
E00400 / E-4

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0302015F **Other Related Program Elements:** 0101316F, 0302015F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Crypto Modernization (Reliability & Maintainability)	P-40a***		- / 4.166	- / 3.671	- / -	- / -	- / -	- / -
2 / NPES (NC2AIS) E-4B (Reliability & Maintainability)	P-40a***		- / 2.000	- / 0.686	- / 0.692	- / 0.706	- / -	- / 0.706
3 / Message Processing System (MPS) (Capability Improvement)	P-40a***		- / 20.536	- / -	- / -	- / -	- / -	- / -
4 / SHF MUX UPGRADE (Reliability & Maintainability)	P-40a***		- / 2.354	- / -	- / -	- / -	- / -	- / -
5 / Global Summary Message (Capability Improvement)	P-40a***		- / 12.781	- / -	- / -	- / -	- / -	- / -
6 / Secure Voice Crypto (Reliability & Maintainability)	P-40a***		- / 8.711	- / -	- / -	- / -	- / -	- / -
7 / AIU Modernization (Capability Improvement)	P-40a***		- / 45.491	- / -	- / -	- / -	- / -	- / -
8 / Low Frequency Transmit System (LFTS) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
9 / E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I (Capability Improvement)	P-40a***		- / -	- / 5.960	- / 2.732	- / -	- / -	- / -
10 / CNS/ATM(ADS-B OUT) (Capability Improvement)	P-40a***		- / -	- / -	- / 1.200	- / 4.562	- / -	- / 4.562
11 / SERVICE BULLETINS (Reliability & Maintainability)	P-40a***		- / 13.595	- / 2.647	- / 3.270	- / 4.714	- / -	- / 4.714
12 / LOW COST MODIFICATIONS (Reliability & Maintainability)	P-40a***		- / 7.846	- / -	- / 1.990	- / 1.990	- / -	- / 1.990
1 / SHF Modernization (Capability Improvement)	P-3a		- / 11.992	- / 4.201	- / 7.207	- / 8.000	- / -	- / 8.000
2 / AEHF Compatible Terminal/PNVC (Capability Improvement)	P-3a		- / 0.000	- / -	- / -	- / 3.965	- / -	- / 3.965
Total Gross/Weapon System Cost			- / 129.472	- / 17.165	- / 17.091	- / 23.937	- / -	- / 23.937

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Crypto Modernization (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 7.837
2 / NPES (NC2AIS) E-4B (Reliability & Maintainability)	P-40a***		- / 0.721	- / 0.700	- / 0.746	- / 0.768	- / -	- / 7.019
3 / Message Processing System (MPS) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 20.536
4 / SHF MUX UPGRADE (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 2.354
5 / Global Summary Message (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 12.781
6 / Secure Voice Crypto (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 8.711
7 / AIU Modernization (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 45.491
8 / Low Frequency Transmit System (LFTS) (Capability Improvement)	P-40a***		- / 32.935	- / 22.949	- / 31.700	- / 33.680	- / -	- / 121.264
9 / E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 8.692
10 / CNS/ATM(ADS-B OUT) (Capability Improvement)	P-40a***		- / 4.762	- / -	- / -	- / -	- / -	- / 10.524
11 / SERVICE BULLETINS (Reliability & Maintainability)	P-40a***		- / 5.472	- / 5.600	- / 5.594	- / 5.713	- / -	- / 46.605
12 / LOW COST MODIFICATIONS (Reliability & Maintainability)	P-40a***		- / 1.990	- / 1.990	- / 1.990	- / 1.990	- / -	- / 19.786
1 / SHF Modernization (Capability Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 31.400
2 / AEHF Compatible Terminal/PNVC (Capability Improvement)	P-3a		- / 8.417	- / 1.560	- / -	- / -	- / -	- / 13.942
Total Gross/Weapon System Cost			- / 54.297	- / 32.799	- / 40.030	- / 42.151	- / -	- / 356.942

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: E00400 / E-4
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0302015F	Other Related Program Elements: 0101316F, 0302015F
*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.		
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.		
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.		

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: E00400 / E-4				Modification Number / Title: 1 / SHF Modernization				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	11.992	4.201	7.207	8.000	-	8.000	-	-	-	-	-	31.400
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	11.992	4.201	7.207	8.000	-	8.000	-	-	-	-	-	31.400
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	11.992	4.201	7.207	8.000	-	8.000	-	-	-	-	-	31.400

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

Initial Spares (<i>\$ in Millions</i>)	1.295	-	-	-	-	-	-	-	-	-	-	1.295
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

SHF Modernization will upgrade and replace portions of the Super High Frequency (SHF) system to meet existing National Security Presidential Directive (NSPD)-28 and NSPD-51/Homeland Security Presidential Directive (HSPD)-20 requirements and to ensure continued connectivity and interoperability as satellite and communications infrastructure evolves. Expected modifications include, but are not limited to, component and sub-system upgrades and replacement of the current SHF system necessary to meet immediate needs and eventual replacement of the SHF system. Modification of the current system is required in the near term to replace the most critically obsolete components to ensure that the system remains operable and logistically supportable until a replacement system is fielded. A replacement to the SHF system is required as secure, survivable communications capability transitions from the Defense Satellite Communications System (DSCS).

This SHF Modernization modification is a continuation of a portion of the previously funded Secure, Survivable Voice Communications modification (SSVC) (Mod Number MN-4406). SSVC has been split into two modifications in order to provide schedule clarity. These modifications are the SHF Modernization (Mod Number MN-4406A) and the AEHF Compatible Terminal/PNVC (Mod Number MN-4406B) modifications.

The 16PB funds SHF Modernization Phase II procurement and installation, which upgrades X-Band and KA-Band communications. Prior PBs funded SHF Modernization Phase I procurement and installation, which replaced the most critically obsolete components.

Milestone/Development Status

Development started FY11 using 3600 funds

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: E00400 / E-4					Modification Number / Title: 1 / SHF Modernization		
Models of Systems Affected: E-4B				Modification Type: Capability Improvement				Related RDT&E PEs: 0302015F				
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
0302015F	1 / 11.447	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 11.447
Procurement												
<i>Modification Item 1 of 1: Part B</i>												
A Kits												
Recurring												
Part B:INSTALL KITS Group A (Active)	2 / 5.777	1 / 3.201	1 / 6.207	1 / 4.100	- / -	1 / 4.100	- / -	- / -	- / -	- / -	- / -	5 / 19.285
<i>Subtotal: Recurring</i>	- / 5.777	- / 3.201	- / 6.207	- / 4.100	- / -	- / 4.100	- / -	- / -	- / -	- / -	- / -	- / 19.285
<i>Subtotal: Part B</i>	- / 5.777	- / 3.201	- / 6.207	- / 4.100	- / -	- / 4.100	- / -	- / -	- / -	- / -	- / -	- / 19.285
<i>Subtotal: Procurement, All Modification Items</i>	- / 5.777	- / 3.201	- / 6.207	- / 4.100	- / -	- / 4.100	- / -	- / -	- / -	- / -	- / -	- / 19.285
Support (All Modification Items)												
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / -	- / 0.900	- / -	- / 0.900	- / -	- / -	- / -	- / -	- / -	- / 0.900
PMA - Other Gov't Costs	- / 0.400	- / -	- / -	- / 0.300	- / -	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / 0.700
<i>Subtotal: Support</i>	- / 0.400	- / -	- / -	- / 1.200	- / -	- / 1.200	- / -	- / -	- / -	- / -	- / -	- / 1.600
Installation												
<i>Modification Item 1 of 1: Part B</i>	2 / 5.815	1 / 1.000	1 / 1.000	1 / 2.700	- / -	1 / 2.700	- / -	- / -	- / -	- / -	- / -	5 / 10.515
<i>Subtotal: Installation</i>	2 / 5.815	1 / 1.000	1 / 1.000	1 / 2.700	- / -	1 / 2.700	- / -	- / -	- / -	- / -	- / -	5 / 10.515
Total												
Total Cost (Procurement + Support + Installation)	11.992	4.201	7.207	8.000	-	8.000	-	-	-	-	-	31.400

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E00400 / E-4	Modification Number / Title: 1 / SHF Modernization

Modification Item 1 of 1: Part B

Manufacturer Information

Manufacturer Name: L-3	Manufacturer Location: Salt Lake City, UT
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 3

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 5.815	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.815
FY 2014	- / -	1 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.000
FY 2015	- / -	- / -	1 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.000
FY 2016	- / -	- / -	- / -	1 / 2.700	- / -	1 / 2.700	- / -	- / -	- / -	- / -	- / -	1 / 2.700
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 5.815	1 / 1.000	1 / 1.000	1 / 2.700	- / -	1 / 2.700	- / -	- / -	- / -	- / -	- / -	5 / 10.515

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: E00400 / E-4				Modification Number / Title: 2 / AEHF Compatible Terminal/PNVC				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	3.965	-	3.965	8.417	1.560	-	-	-	13.942
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	3.965	-	3.965	8.417	1.560	-	-	-	13.942
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	3.965	-	3.965	8.417	1.560	-	-	-	13.942

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification will install a Family of Beyond-Line-Of-Sight Terminals (FAB-T) / Presidential National Voice Conferencing (PNVC) system and will remove the currently installed Military Strategic Tactical Relay (MILSTAR) / Survivable Emergency Conferencing Network (SECN) systems. This modification is required to meet existing National Security Presidential Directive (NSPD)-28 and NSPD-51/Homeland Security Presidential Directive (HSPD)-20 requirements and to ensure continued connectivity and interoperability as satellite and communications infrastructure evolves. FAB-T Command Post Terminals will replace the MILSTAR Terminal and will provide access to protected wideband Advanced Extremely High Frequency (AEHF) satellite networks. PNVC replaces SECN, which will not be supported once the AEHF satellite network is in place.

This modification is a continuation of a portion of the previously funded Secure, Survivable Voice Communications modification (SSVC) (Mod Number MN-4406). SSVC has been split into two modifications in order to provide schedule clarity. These modifications are the SHF Modernization (Mod Number MN-4406A) and the FAB-T/PNVC (Mod Number MN-4406B) modifications.

Milestone/Development Status

The AEHF/PNVC Terminal enterprise capability is in the final phases of development, and anticipates completing a fully developed solution during FY15. E-4B will ramp up integration activities, beginning with risk reduction in January 2015 and non-recurring engineering activities in January 2016.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: E00400 / E-4					Modification Number / Title: 2 / AEHF Compatible Terminal/PNVC			
Models of Systems Affected: E-4B				Modification Type: Capability Improvement				Related RDT&E PEs: 0302015F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0302015F	- / -	- / -	- / -	- / 24.960	- / -	- / 24.960	- / 1.754	- / 0.034	- / -	- / -	- / -	- / 26.748	
Procurement													
<i>Modification Item 1 of 1: Initial Kits</i>													
A Kits													
Recurring													
Initial Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.817	1 / 0.740	- / -	- / -	- / -	3 / 7.557	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.817	- / 0.740	- / -	- / -	- / -	- / 7.557	
<i>Subtotal: Initial Kits</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.817	- / 0.740	- / -	- / -	- / -	- / 7.557	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.817	- / 0.740	- / -	- / -	- / -	- / 7.557	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / -	- / 3.865	- / -	- / 3.865	- / -	- / -	- / -	- / -	- / -	- / 3.865	
Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
PMA - Other Gov't Costs	- / -	- / -	- / -	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.080	- / -	- / -	- / -	- / 0.280	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 3.965	- / -	- / 3.965	- / 0.100	- / 0.080	- / -	- / -	- / -	- / 4.145	
Installation													
<i>Modification Item 1 of 1: Initial Kits</i>													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.500	1 / 0.740	- / -	- / -	- / -	3 / 2.240	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.500	1 / 0.740	- / -	- / -	- / -	3 / 2.240	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	3.965	-	3.965	8.417	1.560	-	-	-	13.942	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E00400 / E-4	Modification Number / Title: 2 / AEHF Compatible Terminal/PNVC

Modification Item 1 of 1: Initial Kits

Manufacturer Information

Manufacturer Name: Raytheon	Manufacturer Location: Largo, FL
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 6

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

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.500	- / -	- / -	- / -	- / -	2 / 1.500
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.740	- / -	- / -	- / -	1 / 0.740
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.500	1 / 0.740	- / -	- / -	- / -	3 / 2.240

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: E00800 / E-8
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0207581F
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	429.289	55.978	-	18.001	-	18.001	6.300	10.800	-	-	-	520.368
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	429.289	55.978	-	18.001	-	18.001	6.300	10.800	-	-	-	520.368
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	429.289	55.978	-	18.001	-	18.001	6.300	10.800	-	-	-	520.368

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

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

Description:

This line item funds modifications to the E-8C Joint Surveillance and Target Attack Radar System (JSTARS) aircraft through FY 2015. The JSTARS was developed for ground surveillance, targeting, and battle management. The E-8C is a modified Boeing 707-300 airframe that provides a unique blend of Battle Management Command and Control (BMC2) and Intelligence, Surveillance, and Reconnaissance (ISR). Air Battle Managers onboard the JSTARS use its wide area ground surveillance radar to build situational awareness and identify targets which are passed to strike assets or crossed cued with ISR platforms. The capability to perform this dual mission at the tactical edge both reduces the time to execute the kill chain and improves ISR collections across the range of military options. The JSTARS Recapitalization program will replace the aging E-8C JSTARS (1960's vintage Boeing 707-300 airframes, E-8C IOC achieved in 1997) with modern, more efficient, and capable aircraft and mission systems. With the decision to recapitalize the E-8C JSTARS fleet, the last year of JSTARS modernization funding is FY 2014 which funds fielding, transition, Program Management Administration (PMA) and closeout efforts.

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	29.271	-	0.742	-	0.742	1.855	6.433	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	26.707	-	17.259	-	17.259	4.445	4.367	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	55.978	-	18.001	-	18.001	6.300	10.800	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: E00800 / E-8
---	--

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0207581F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / JSTARS Re-engining (Capability Improvement)	P-40a***		- / 161.312	- / -	- / -	- / -	- / -	- / -
2 / RELIABILITY, MAINTAINABILITY, AVAILABILITY (RMA) and FLEET RETROFIT MODS (Reliability & Maintainability)	P-40a***		- / 40.513	- / -	- / -	- / -	- / -	- / -
3 / KILL CHAIN ENHANCEMENT MODIFICATIONS (Capability Improvement)	P-40a***		- / 112.106	- / 0.011	- / -	- / -	- / -	- / -
4 / JTRS INTEGRATION (Capability Improvement)	P-40a***		- / 18.206	- / -	- / -	- / -	- / -	- / -
5 / Enhanced Land Maritime Mode (ELMM) (Capability Improvement)	P-40a***		- / 47.436	- / -	- / -	- / -	- / -	- / -
38198 / Prime Mission Equipment - Diminishing Manufacturing Sources (PME-DMS) (Capability Improvement)	P-3a		- / 49.716	- / 55.967	- / -	- / 18.001	- / -	- / 18.001
Total Gross/Weapon System Cost			- / 429.289	- / 55.978	- / -	- / 18.001	- / -	- / 18.001

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / JSTARS Re-engining (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 161.312
2 / RELIABILITY, MAINTAINABILITY, AVAILABILITY (RMA) and FLEET RETROFIT MODS (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 40.513
3 / KILL CHAIN ENHANCEMENT MODIFICATIONS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 112.117
4 / JTRS INTEGRATION (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 18.206
5 / Enhanced Land Maritime Mode (ELMM) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 47.436
38198 / Prime Mission Equipment - Diminishing Manufacturing Sources (PME-DMS) (Capability Improvement)	P-3a		- / 6.300	- / 10.800	- / -	- / -	- / -	- / 140.784
Total Gross/Weapon System Cost			- / 6.300	- / 10.800	- / -	- / -	- / -	- / 520.368

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: E00800 / E-8				Modification Number / Title: 38198 / Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)			

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	49.716	55.967	-	18.001	-	18.001	6.300	10.800	-	-	-	140.784
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	49.716	55.967	-	18.001	-	18.001	6.300	10.800	-	-	-	140.784
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	49.716	55.967	-	18.001	-	18.001	6.300	10.800	-	-	-	140.784

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

Initial Spares (<i>\$ in Millions</i>)	4.997	0.523	-	-	-	-	-	-	-	-	-	5.520
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Prime Mission Equipment (PME) Diminishing Manufacturing Sources (DMS) is a top issue for fleet viability. PME is required for Joint STARS to maintain net-centric war fighter capabilities - Ground Moving Target Indicator (GMTI) and Battle Management Command and Control (BMC2) as specified in the Operational Requirements Document (ORD). The last major modification to the mission computing hardware took place during the Computer Replacement Program (CRP) from 1997-2005. The program has maximized 3rd party vendors and after market suppliers for the last eight years without any additional funded major technology refreshes. Parts obsolescence stemming from an overdue technology refresh (20+ year old COTS equipment) requires a major modification to maintain the existing processing capabilities and specification compliance. Modification will address hardware and software DMS issues and COTS technology refresh for Operator Work Station (OWS), the Central Computing subsystem, and the Radar Airborne Signal Processor (RASP) subsystem. Modifications will also include but are not limited to mission and maintenance crew trainers, software maintenance, and support systems at Robins AFB. Installations will occur at Lake Charles, La and the schedule is based on the Program Depot Maintenance (PDM) program. The PDM schedule is on fixed periodic time frames, however, the duration of the PDMs and platform availability are impacted by real world events therefore, the install schedule may vary. In October 2013, a contract was awarded for seven Group A Kits and seven Group B Kits. Two of the seven Group A Kits and two of the seven Group B Kits were procured with \$5.85M of NGREA funding. The remaining five of the seven Group A Kits and five of the seven Group B Kits were procured with Joint STARS funding. This skews the FY13 average unit kit costs. In Sep 2014, the contract was amended to add an additional four Group A kits and four additional Group B kits for a total of eleven overall. Beginning in FY16, we will award the contract for the remaining five Joint STARS aircraft to complete the fleet retrofit of sixteen aircraft. Funding for this exhibit contained in PE 0207581F is for a total of 14 operational aircraft to be modified with procurement funds. Funding lapsed in FY15 as the future of the platform was uncertain. Funding is restored again for FY16 through FY18 to complete modification retrofit to the entire fleet. The pilot trainer aircraft does not carry the standard mission equipment, so it does not require this modification. The test aircraft, T-3, was modified with RDT&E funds. FY14 and FY15 PMA was funded with FY14 funds.

Milestone/Development Status

The System Design and Development (SDD) program was completed in the FY09-FY13 timeframe using RDT&E funds. The SDD program was initiated with FY08 GWOT RDT&E funds. Delivery Orders were awarded on 31 July 2009 for the replacement portion of the RASP hardware and software subsystem along with Central Computer Subsystem upgrades and on 1 June 2010 for the replacement portion of the OWS computer. The contract was Sole Source to Northrop Grumman under the Joint STARS System Improvement Program II (JSSIP) contract. The DD250 for the SDD program was received in June 2013.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E00800 / E-8	Modification Number / Title: 38198 / Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	29.260	-	0.742	-	0.742	1.855	6.433	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	26.707	-	17.259	-	17.259	4.445	4.367	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	55.967	-	18.001	-	18.001	6.300	10.800	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force											Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: E00800 / E-8				Modification Number / Title: 38198 / Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)					
Models of Systems Affected: E-8C				Modification Type: Capability Improvement				Related RDT&E PEs: 0207581F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: PME DMS Installation Kit</i>													
A Kits													
Recurring													
PME DMS Installation Kit:INSTALL KITS Group A (Guard)	7 / 3.631	4 / 11.472	- / -	5 / 10.135	- / -	5 / 10.135	- / -	- / -	- / -	- / -	- / -	16 / 25.238	
<i>Subtotal: Recurring</i>	- / 3.631	- / 11.472	- / -	- / 10.135	- / -	- / 10.135	- / -	- / -	- / -	- / -	- / -	- / 25.238	
B Kits													
Recurring													
PME DMS Installation Kit:EQUIPMENT Group B (Guard)	7 / 12.875	4 / 7.357	- / -	5 / 5.097	- / -	5 / 5.097	- / -	- / -	- / -	- / -	- / -	16 / 25.329	
<i>Subtotal: Recurring</i>	- / 12.875	- / 7.357	- / -	- / 5.097	- / -	- / 5.097	- / -	- / -	- / -	- / -	- / -	- / 25.329	
<i>Subtotal: PME DMS Installation Kit</i>	- / 16.506	- / 18.829	- / -	- / 15.232	- / -	- / 15.232	- / -	- / -	- / -	- / -	- / -	- / 50.567	
<i>Subtotal: Procurement, All Modification Items</i>	- / 16.506	- / 18.829	- / -	- / 15.232	- / -	- / 15.232	- / -	- / -	- / -	- / -	- / -	- / 50.567	
Support (All Modification Items)													
Change Orders	- / -	- / 13.561	- / -	- / 0.001	- / -	- / 0.001	- / -	- / -	- / -	- / -	- / -	- / 13.562	
SIM/TRAINER	1 / 13.068	- / 0.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 13.318	
SUPPORT-EQUIP	- / -	- / 4.406	- / -	- / -	- / -	- / -	- / -	- / 4.455	- / -	- / -	- / -	- / 8.861	
OTHER GOVT	- / -	- / 0.952	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.952	
A&AS	- / 2.555	- / 3.591	- / -	- / 0.741	- / -	- / 0.741	- / 1.855	- / 1.978	- / -	- / -	- / -	- / 10.720	
PMA - Contractor Services	- / 5.786	- / 6.221	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.007	
ICS-Labor	- / -	- / 0.279	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.279	
OTHER GOVT (1)	- / 9.001	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.001	
<i>Subtotal: Support</i>	1 / 30.410	- / 29.260	- / -	- / 0.742	- / -	- / 0.742	- / 1.855	- / 6.433	- / -	- / -	- / -	1 / 68.700	
Installation													
<i>Modification Item 1 of 1: PME DMS Installation Kit</i>	7 / 2.800	4 / 7.878	- / -	1 / 2.027	- / -	1 / 2.027	2 / 4.445	2 / 4.367	- / -	- / -	- / -	16 / 21.517	
<i>Subtotal: Installation</i>	7 / 2.800	4 / 7.878	- / -	1 / 2.027	- / -	1 / 2.027	2 / 4.445	2 / 4.367	- / -	- / -	- / -	16 / 21.517	
Total													
Total Cost (Procurement + Support + Installation)	49.716	55.967	-	18.001	-	18.001	6.300	10.800	-	-	-	140.784	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E00800 / E-8	Modification Number / Title: 38198 / Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS)

Modification Item 1 of 1: PME DMS Installation Kit

Manufacturer Information

Manufacturer Name: Northrop Gruman Corp	Manufacturer Location: Melbourne , Florida
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 7

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Oct 2013		Jan 2016				
Delivery Dates	May 2014		Aug 2016				

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 2.800	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	- / -	- / -	- / -	7 / 2.800
FY 2014	- / -	4 / 7.878	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.878
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	1 / 2.027	- / -	1 / 2.027	2 / 4.445	2 / 4.367	- / -	- / -	- / -	5 / 10.839
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	7 / 2.800	4 / 7.878	- / -	1 / 2.027	- / -	1 / 2.027	2 / 4.445	2 / 4.367	- / -	- / -	- / -	16 / 21.517

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-
Out	7	-	-	-	4	-	-	-	-	-	-	-	1	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: E34045 / Airborne Warning and Control System
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0207417F
--	------------------------------------	--

Line Item MDAP/MAIS Code: 277	Item MDAP/MAIS Code(s):
-------------------------------	-------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	191.284	183.308	-	183.308	226.429	103.643	58.221	29.533	-	792.418
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	191.284	183.308	-	183.308	226.429	103.643	58.221	29.533	-	792.418
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	191.284	183.308	-	183.308	226.429	103.643	58.221	29.533	-	792.418

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

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

Description:

The Airborne Warning and Control System (AWACS) Block 40/45 modification upgrades legacy E-3 mission systems computers, display processors, and displays to provide critical support to Air Force Battle Management Command and Control (BM/C2) missions. It provides the foundation required for all future Airborne Warning and Control System (AWACS) enterprise modifications through a customized implementation of Commercial Off The Shelf (COTS) hardware with a software intensive architecture. The Airborne Warning and Control System (AWACS) Block 40/45 Upgrade provides a single target/single track capability with an improved human-machine interface for time-critical targeting designed to increase combat effectiveness and reduce fratricide. The Airborne Warning and Control System (AWACS) Block 40/45 Upgrade includes an upgrade to Electronic Support Measures (ESM) sensor data processing; data fusion of both off-board and on-board sensor data through multi-source integration (MSI); a Data Link Infrastructure (DLI) upgrade with prioritized data link bandwidth management; new battle management tools; capability to parse, allow user access to, and integrate updates to Tactical Data Information Link (TADIL)-J message formats and protocols; enhanced mission and console recording capabilities while maintaining legacy chat communications and on-board training; modification of system software to accommodate Diminishing Manufacturing Sources (DMS). The modification will be installed on multiple trainers and ground systems. The development of the training systems, the Mission Crew Training Set (MCTS) and Mission Computing Maintenance Trainer (MCMT), began in FY11 and each type was delivered to the user in FY14. Under the Mission Computing Maintenance Trainer (MCMT) contract line item, the program developed ground systems used for mission planning and post-mission processing consisting of stationary ground stations at Tinker, Elmendorf, and Kadena locations (up to 150) and Deployable Ground Systems (DGS) [up to ten (10)] for use when the aircraft deploys to locations other than Kadena and Elmendorf. In FY13, the program office began Depot Activation activities to comply with Sources of Repair Assignment Program (SORAP) 09-063 that mandates organic hardware and software maintenance; Depot Activation activities will continue until FY18. Hardware Depot Activation will procure the required resources (test equipment, modules, training, repair documentation, etc.) to support the E-3G. Funding for organic software and hardware maintenance will support stand-up of the Depot facility at the Warner Robins Air Logistics Complex, GA, for repairs of selected units, and the stand-up of the Avionics Integration Support Facility (AISF) at Tinker AFB to perform mission computing software maintenance activities.

FY16 Plan: Program continues to complete the block mod upgrade to the 40/45 configuration (E-3G). Five (5) aircraft will commence modification, and three (3) of the jets that began mod in FY15 will be delivered to the Wing. Due to end of life issues for a majority of the programmatic COTS equipment, the program office will have to contract for engineering support to procure the last four (4) aircraft 40/45 kits as well as retrofit the six (6) LRIP jets into this DMS configuration. The program plans to award a contract inclusive of one last Life of Type (LoT) buy to procure ten (10) B kits, six (6) to be used to retrofit the LRIP jets and the other B kits to modify the remaining Block 30/35 jets. Additionally in FY16, the program will continue to support the warfighter via ICS, while at the same time executing various Depot Activation activities to comply with Sources of Repair Assignment Program (SORAP) 09-063.

The FY15 President's Budget sought to divest seven (7) E-3 aircraft, which would have reduced the fleet size from thirty one (31) to twenty four (24). Congress rejected the Air Force's proposed FY15 AWACS divestiture, and in response, the Air Force re-phased the E-3 force reduction of seven (7) aircraft from FY16 to FY19. The Block 40/45 Upgrade is postured in accordance with the FY19 force reduction, and as such, will execute to a programmatic baseline of twenty four (24) aircraft. Low Rate Initial Production was approved for six (6) aircraft in November 2008 [one (1) buy in FY09, two (2) buys in FY10, and three (3)

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: E34045 / Airborne Warning and Control System
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0207417F
Line Item MDAP/MAIS Code: 277	Item MDAP/MAIS Code(s):	
<p>buys in FY12]. The Block 40/45 Full Rate Production was approved in November 2012 for the remaining twenty five (25) aircraft and technology refresh of the six (6) LRIP aircraft; the corresponding production contract was awarded on 27 December 2012. The divestiture of seven (7) aircraft will reduce the quantity of production aircraft from twenty five (25) to eighteen (18).</p> <p>Funding for this modification had previously been contained in Weapon System Code (WSC) E00300, but as part of the Major Programs Transparency Act and starting in FY15, the AWACS Block 40/45 Upgrade (MDAP) was moved to WSC E34045. Prior year funding remains in WSC E00300.</p>		

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
E34045 / Airborne Warning and Control System

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0207417F

Line Item MDAP/MAIS Code: 277 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / BLOCK 40/45 BLOCK UPGRADE (Capability Improvement)	P-3a		- / 0.000	- / -	- / 191.284	- / 183.308	- / -	- / 183.308
Total Gross/Weapon System Cost			- / 0.000	- / -	- / 191.284	- / 183.308	- / -	- / 183.308

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / BLOCK 40/45 BLOCK UPGRADE (Capability Improvement)	P-3a		- / 226.429	- / 103.643	- / 58.221	- / 29.533	- / -	- / 792.418
Total Gross/Weapon System Cost			- / 226.429	- / 103.643	- / 58.221	- / 29.533	- / -	- / 792.418

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: E34045 / Airborne Warning and Control System				Modification Number / Title: 1 / BLOCK 40/45 BLOCK UPGRADE				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	191.284	183.308	-	183.308	226.429	103.643	58.221	29.533	-	792.418
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	191.284	183.308	-	183.308	226.429	103.643	58.221	29.533	-	792.418
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	191.284	183.308	-	183.308	226.429	103.643	58.221	29.533	-	792.418
<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>)	15.184	2.325	2.957	5.516	-	5.516	4.532	3.194	3.252	3.307	-	40.267
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Airborne Warning and Control System (AWACS) Block 40/45 modification upgrades legacy E-3 mission systems computers, display processors, and displays to provide critical support to Air Force Battle Management Command and Control (BM/C2) missions. It provides the foundation required for all future Airborne Warning and Control System (AWACS) enterprise modifications through a customized implementation of Commercial Off The Shelf (COTS) hardware with a software intensive architecture. The Airborne Warning and Control System (AWACS) Block 40/45 Upgrade provides a single target/single track capability with an improved human-machine interface for time-critical targeting designed to increase combat effectiveness and reduce fratricide. The Airborne Warning and Control System (AWACS) Block 40/45 Upgrade includes an upgrade to Electronic Support Measures (ESM) sensor data processing; data fusion of both off-board and on-board sensor data through multi-source integration (MSI); a Data Link Infrastructure (DLI) upgrade with prioritized data link bandwidth management; new battle management tools; capability to parse, allow user access to, and integrate updates to Tactical Data Information Link (TADIL)-J message formats and protocols; enhanced mission and console recording capabilities while maintaining legacy chat communications and on-board training; modification of system software to accommodate Diminishing Manufacturing Sources (DMS). The modification will be installed on multiple trainers and ground systems. The development of the training systems, the Mission Crew Training Set (MCTS) and Mission Computing Maintenance Trainer (MCMT), began in FY11 and each type was delivered to the user in FY14. Under the Mission Computing Maintenance Trainer (MCMT) contract line item, the program developed ground systems used for mission planning and post-mission processing consisting of stationary ground stations at Tinker, Elmendorf, and Kadena locations (up to 150) and Deployable Ground Systems (DGS) [up to ten (10)] for use when the aircraft deploys to locations other than Kadena and Elmendorf. In FY13, the program office began Depot Activation activities to comply with Sources of Repair Assignment Program (SORAP) 09-063 that mandates organic hardware and software maintenance; Depot Activation activities will continue until FY18. Hardware Depot Activation will procure the required resources (test equipment, modules, training, repair documentation, etc.) to support the E-3G. Funding for organic software and hardware maintenance will support stand-up of the Depot facility at the Warner Robins Air Logistics Complex, GA, for repairs of selected units, and the stand-up of the Avionics Integration Support Facility (AISF) at Tinker AFB to perform mission computing software maintenance activities.

FY16 Plan: Program continues to complete the block mod upgrade to the 40/45 configuration (E-3G). Five (5) aircraft will commence modification, and three (3) of the jets that began mod in FY15 will be delivered to the Wing. Due to end of life issues for a majority of the programmatic COTS equipment, the program office will have to contract for engineering support to procure the last four (4) aircraft 40/45 kits as well as retrofit the six (6) LRIP jets into this DMS configuration. The program plans to award a contract inclusive of one last Life of Type (LoT) buy to procure ten (10) B kits, six (6) to be used to retrofit the LRIP jets and the other B kits to modify the remaining Block 30/35 jets. Additionally, the program will continue to support the warfighter via ICS, while at the same time executing various Depot Activation activities to comply with Sources of Repair Assignment Program (SORAP) 09-063.

The FY15 President's Budget sought to divest seven (7) E-3 aircraft, which would have reduced the fleet size from thirty one (31) to twenty four (24). Congress rejected the Air Force's proposed FY15 AWACS divestiture, and in response, the Air Force re-phased the E-3 force reduction of seven (7) aircraft from FY16 to FY19. The Block 40/45 Upgrade is postured in accordance with the FY19 force reduction, and as such, will execute to a programmatic baseline of twenty four (24) aircraft. Low Rate Initial Production was approved for six (6) aircraft in November 2008 [one (1) buy in FY09, two (2) buys in FY10, and three (3) buys in FY12]. The Block 40/45 Full Rate Production was approved in November 2012 for the remaining twenty five (25) aircraft and technology refresh of the six (6) LRIP aircraft; the corresponding production contract was awarded on 27 December 2012. The divestiture of seven (7) aircraft will reduce the quantity of production aircraft from twenty five (25) to eighteen (18).

Milestone/Development Status

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E34045 / Airborne Warning and Control System	Modification Number / Title: 1 / BLOCK 40/45 BLOCK UPGRADE
<p>11/08 - Completed Aircraft Block 40/45 Development (Milestone C/LRIP), 08/11 - Completed Aircraft Block 40/45 Pre-Production, 11/13 - Completed Development of MCMT, 02/14 - Completed Development of MCTS, 06/14 - Completed Development of DGS/GS, 06/14 - Last (6th) LRIP Jet Delivered, First Production Jet Inducted, 07/14 - IOC Declared by ACC/CC.</p>		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: E34045 / Airborne Warning and Control System						Modification Number / Title: 1 / BLOCK 40/45 BLOCK UPGRADE			
Models of Systems Affected: E-3				Modification Type: Capability Improvement				Related RDT&E PEs: 0207417F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Block 4045</i>													
A Kits													
Recurring													
Block 4045:INSTALL KITS Group A (Active)	- / 0.000	- / -	5 / 36.713	2 / 16.729	- / -	2 / 16.729	4 / 30.726	- / -	- / -	- / -	- / -	11 / 84.168	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / 36.713	- / 16.729	- / -	- / 16.729	- / 30.726	- / -	- / -	- / -	- / -	- / 84.168	
B Kits													
Recurring													
Block 4045:EQUIPMENT Group B (Active)	- / 0.000	- / -	- / 14.170 ⁽¹⁾	- / 5.668	- / -	- / 5.668	10 ⁽²⁾ / 45.659	- / -	- / -	- / -	- / -	10 / 65.497	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / 14.170	- / 5.668	- / -	- / 5.668	- / 45.659	- / -	- / -	- / -	- / -	- / 65.497	
<i>Subtotal: Block 4045</i>	- / 0.000	- / -	- / 50.883	- / 22.397	- / -	- / 22.397	- / 76.385	- / -	- / -	- / -	- / -	- / 149.665	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / 50.883	- / 22.397	- / -	- / 22.397	- / 76.385	- / -	- / -	- / -	- / -	- / 149.665	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / 23.214	- / 77.918 ⁽³⁾	- / -	- / 77.918	- / 20.170	- / 18.457	- / -	- / -	- / -	- / 139.759	
Make New Selection	- / -	- / -	- / 31.207	- / 40.123	- / -	- / 40.123	- / 42.436	- / 39.906	- / 18.433	- / 26.956	- / -	- / 199.061	
Change Orders	- / -	- / -	- / -	- / 0.521	- / -	- / 0.521	- / 5.431	- / 3.426	- / 1.596	- / 0.172	- / -	- / 11.146	
Data	- / -	- / -	- / 0.163	- / 0.167	- / -	- / 0.167	- / 0.170	- / 0.173	- / 0.177	- / 0.405	- / -	- / 1.255	
SIM/TRAINER	- / -	- / -	- / -	- / -	- / -	- / -	1 / 15.941	- / -	- / -	- / -	- / -	1 / 15.941	
SUPPORT-EQUIP	- / -	- / -	- / 51.078	- / -	- / -	- / -	- / 22.919	- / -	- / -	- / -	- / -	- / 73.997	
ICS-Labor	- / -	- / -	- / 17.675	- / 22.684	- / -	- / 22.684	- / 22.997	- / 23.246	- / 23.623	- / -	- / -	- / 110.225	
OTHER GOVT	- / -	- / -	- / 1.595	- / 1.135	- / -	- / 1.135	- / 6.892	- / 0.845	- / 0.717	- / 0.200	- / -	- / 11.384	
PMA - Other Gov't Costs	- / -	- / -	- / 1.784	- / 1.520	- / -	- / 1.520	- / 1.351	- / 1.175	- / 1.175	- / 0.600	- / -	- / 7.605	
PMA - Contractor Services	- / -	- / -	- / 4.713	- / 4.325	- / -	- / 4.325	- / 3.835	- / 3.522	- / 3.182	- / 1.200	- / -	- / 20.777	
<i>Subtotal: Support</i>	- / -	- / -	- / 131.429	- / 148.393	- / -	- / 148.393	1 / 142.142	- / 90.750	- / 48.903	- / 29.533	- / -	1 / 591.150	
Installation													
<i>Modification Item 1 of 1: Block 4045</i>	- / -	- / -	3 / 8.972	5 / 12.518	- / -	5 / 12.518	3 / 7.902	3 / 12.893	2 / 9.318	- / -	- / -	16 / 51.603	
<i>Subtotal: Installation</i>	- / -	- / -	3 / 8.972	5 / 12.518	- / -	5 / 12.518	3 / 7.902	3 / 12.893	2 / 9.318	- / -	- / -	16 / 51.603	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	191.284	183.308	-	183.308	226.429	103.643	58.221	29.533	-	792.418	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E34045 / Airborne Warning and Control System	Modification Number / Title: 1 / BLOCK 40/45 BLOCK UPGRADE

Modification Item 1 of 1: Block 4045

Manufacturer Information

Manufacturer Name: Boeing	Manufacturer Location: Seattle
Administrative Leadtime (in Months): 10	Production Leadtime (in Months): 16

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Mar 2014	Dec 2014	Dec 2015 ⁽⁴⁾	Dec 2016			
Delivery Dates	Jul 2015	Apr 2016	Apr 2017	Apr 2018			

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 8.972	- / -	- / -	- / -	- / -	- / 4.675	- / 3.685	- / -	- / -	3 / 17.332
FY 2014	- / -	- / -	- / -	2 / 5.007	- / -	2 / 5.007	- / -	- / -	- / -	- / -	- / -	2 / 5.007
FY 2015	- / -	- / -	- / -	3 / 7.511	- / -	3 / 7.511	2 / 5.268	- / -	- / -	- / -	- / -	5 / 12.779
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.634	1 / 2.739	- / -	- / -	- / -	2 / 5.373
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.479	2 / 5.633	- / -	- / -	4 / 11.112
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	3 / 8.972	5 / 12.518	- / -	5 / 12.518	3 / 7.902	3 / 12.893	2 / 9.318	- / -	- / -	16 / 51.603

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	2	1	-	-	1	2	1	1	-	1	1	1	1	-	1	1	1	1	-	-	-	-	-	-	-	16
Out	0	-	-	-	-	-	-	1	-	2	-	-	1	1	1	2	1	-	1	2	-	-	2	-	2	-	-	-	-	-	16

Footnotes:

- (1) Group B Equipment includes the remaining Commercial Off the Shelf (COTS) hardware not purchased as part of the Life of Type (LOT) buys in FY12 and FY17
- (2) Group B Equipment includes Commercial Off the Shelf (COTS) hardware purchased in Life of Type (LOT) buys in FY12 and FY17
- (3) Group B Nonrecurring includes active Diminishing Manufacturing Sources (DMS) surveillance and the Engineering Support to the DMS Upgrade required prior to the purchase of the COTS Life of Type buys
- (4) Administrative Lead time for contract awards planned in Dec includes preparations and processes that begin during the previous FY.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: FBLOST / Family of Beyond Line-of-Sight Terminals
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0303001F, 0303601F	Other Related Program Elements: 0303601F
---	--	---

Line Item MDAP/MAIS Code: 199	Item MDAP/MAIS Code(s):
--------------------------------------	--------------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	27.026	44.163	-	44.163	11.343	11.517	11.876	18.117	-	124.042
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	27.026	44.163	-	44.163	11.343	11.517	11.876	18.117	-	124.042
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	27.026	44.163	-	44.163	11.343	11.517	11.876	18.117	-	124.042

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

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

Description:

The Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) program replaces legacy Milstar terminals and will provide Extremely High Frequency (EHF), protected high data rate communication for nuclear and conventional forces to include Presidential National Voice Conferencing (PNVC). FAB-T will provide this new, highly secure, state-of-the-art capability for DoD platforms to include strategic platforms and airborne/ground command posts via Milstar, AEHF, and Enhanced Polar System (EPS) satellites. FAB-T terminals will also support the critical command and control (C2) of the Milstar, AEHF, and EPS satellite constellations. Funding in FY16 will continue program office support and production activities including low rate initial production of airborne terminals. In June 2014 the Air Force down-selected to Raytheon for production of FAB-T Command Post terminals (CPT). Production contract options to produce CPT terminals will be exercised after a successful Milestone C decision.

In FY16, funding for President of the United States (POTUS) aircraft terminal platform installation and integration was transferred to PE: 0401314F.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
FBLOST / Family of Beyond Line-of-Sight Terminals

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0303001F, 0303601F **Other Related Program Elements:** 0303601F

Line Item MDAP/MAIS Code: 199 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Family of Beyond Line-of-Sight Terminals (Capability Improvement)	P-3a		- / -	- / -	- / 27.026	- / 44.163	- / -	- / 44.163
Total Gross/Weapon System Cost			- / -	- / -	- / 27.026	- / 44.163	- / -	- / 44.163

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Family of Beyond Line-of-Sight Terminals (Capability Improvement)	P-3a		- / 11.343	- / 11.517	- / 11.876	- / 18.117	- / -	- / 124.042
Total Gross/Weapon System Cost			- / 11.343	- / 11.517	- / 11.876	- / 18.117	- / -	- / 124.042

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: FBLOST / Family of Beyond Line-of-Sight Terminals				Modification Number / Title: 1 / Family of Beyond Line-of-Sight Terminals				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	27.026	44.163	-	44.163	11.343	11.517	11.876	18.117	-	124.042
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	27.026	44.163	-	44.163	11.343	11.517	11.876	18.117	-	124.042
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	27.026	44.163	-	44.163	11.343	11.517	11.876	18.117	-	124.042
<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>)	-	-	5.540	3.363	-	3.363	1.393	1.352	1.241	1.263	-	14.152
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) program replaces legacy Milstar terminals and will provide Extremely High Frequency (EHF), protected high data rate communication for nuclear and conventional forces to include Presidential National Voice Conferencing (PNVC). FAB-T will provide this new, highly secure, state-of-the-art capability for DoD platforms to include strategic platforms and airborne/ground command posts via Milstar, AEHF, and Enhanced Polar System (EPS) satellites. FAB-T terminals will also support the critical command and control (C2) of the Milstar, AEHF, and EPS satellite constellations. In FY16, funding for President of the United States (POTUS) aircraft terminal platform installation and integration was transferred to PE: 0401314F.

Milestone/Development Status

FAB-T will completing development testing in FY16 and IOT&E is scheduled for 3QFY17

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: FBLOST / Family of Beyond Line-of-Sight Terminals						Modification Number / Title: 1 / Family of Beyond Line-of-Sight Terminals			
Models of Systems Affected: E-4, E-6				Modification Type: Capability Improvement				Related RDT&E PEs: 0303601F, 0303001F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0303001F	- / -	- / -	- / 55.208	- / 13.933	- / -	- / 13.933	- / -	- / -	- / -	- / -	- / -	- / 59.141	
Procurement													
<i>Modification Item 1 of 1: FAB-T</i>													
B Kits													
Recurring													
FAB-T-EQUIPMENT Group B (Active)	- / -	- / -	5 / 15.762	6 / 24.996	- / -	6 / 24.996	10 / 4.460	- / -	- / -	- / -	- / -	21 / 45.218	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 15.762	- / 24.996	- / -	- / 24.996	- / 4.460	- / -	- / -	- / -	- / -	- / 45.218	
<i>Subtotal: FAB-T</i>	- / -	- / -	- / 15.762	- / 24.996	- / -	- / 24.996	- / 4.460	- / -	- / -	- / -	- / -	- / 45.218	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 15.762	- / 24.996	- / -	- / 24.996	- / 4.460	- / -	- / -	- / -	- / -	- / 45.218	
Support (All Modification Items)													
A&AS	- / -	- / -	- / 1.526	- / 4.146	- / -	- / 4.146	- / 1.408	- / 1.650	- / 1.179	- / 0.997	- / -	- / 10.906	
OTHER GOVT	- / -	- / -	- / 0.487	- / 2.332	- / -	- / 2.332	- / 2.000	- / 1.248	- / 1.709	- / 0.500	- / -	- / 8.276	
Data	- / -	- / -	- / 0.849	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.849	
GFP	- / -	- / -	- / 0.040	- / 0.040	- / -	- / 0.040	- / -	- / 0.040	- / -	- / -	- / -	- / 0.120	
Type 1 Training	- / -	- / -	- / 0.050	- / 3.053	- / -	- / 3.053	- / 0.200	- / 0.256	- / 0.100	- / -	- / -	- / 3.659	
SIM/TRAINER	- / -	- / -	- / -	1 / 0.369	- / -	1 / 0.369	1 / 0.380	1 / 0.391	- / -	- / -	- / -	3 / 1.140	
PMA - Other Gov't Costs	- / -	- / -	- / 2.817	- / 3.366	- / -	- / 3.366	- / 0.100	- / 0.364	- / 1.677	- / 1.668	- / -	- / 9.992	
PMA - Contractor Services	- / -	- / -	- / 1.867	- / 3.640	- / -	- / 3.640	- / 0.750	- / 0.863	- / 2.338	- / 2.185	- / -	- / 11.643	
ICS-Labor	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.498	- / 3.997	- / 8.847	- / -	- / 17.342	
SUPPORT-EQUIP	- / -	- / -	- / 3.628	- / 2.221	- / -	- / 2.221	- / 2.045	- / 2.207	- / 0.876	- / 3.920	- / -	- / 14.897	
<i>Subtotal: Support</i>	- / -	- / -	- / 11.264	1 / 19.167	- / -	1 / 19.167	1 / 6.883	1 / 11.517	- / 11.876	- / 18.117	- / -	3 / 78.824	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	27.026	44.163	-	44.163	11.343	11.517	11.876	18.117	-	124.042	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5		P-1 Line Item Number / Title: FBLOST / Family of Beyond Line-of-Sight Terminals			Modification Number / Title: 1 / Family of Beyond Line-of-Sight Terminals		
Modification Item 1 of 1: FAB-T							
Manufacturer Information							
Manufacturer Name: Raytheon				Manufacturer Location: Marlborough, MA			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 11			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Jan 2015	Jan 2016	Jan 2017			
Delivery Dates		Dec 2015	Dec 2016	Dec 2017			
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: H00100 / H-1
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0101235F, 0401314F	Other Related Program Elements:
---	--	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	180.243	6.627	8.237	6.291	-	6.291	9.057	3.462	2.708	2.754	-	219.379
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	180.243	6.627	8.237	6.291	-	6.291	9.057	3.462	2.708	2.754	-	219.379
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	180.243	6.627	8.237	6.291	-	6.291	9.057	3.462	2.708	2.754	-	219.379

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

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

Description:

This line item funds modifications to UH-1N and UH-1H/TH-1H aircraft. The two-engine UH-1N is a light, utility helicopter primarily used for missile site and range support and distinguished visitor airlift support. The Huey II Modernization budgeted in FY2014 continues modification of single-engine UH-1H aircraft to TH-1H configuration for use in the helicopter track of USAF Specialized Undergraduate Pilot Training. There are 62 UH-1N aircraft in the inventory. They were built with an estimated service life of 10,000 flight hours and are not service limited due to on-going modifications and upgrades. There are 28 TH-1H aircraft in the inventory with the newest delivered in CY2013. The TH-1H modification provides a service life of 20 years. The specific modifications budgeted and programmed are listed below.

The FY2016 funding request was reduced by \$2.025 million to account for the availability of prior execution balances.

Modification 8849 USMC Missionization is an FY16 New Start.

Funding in this exhibit is contained in PE 0101235F, PE 0401314F, and PE 0804747F.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
H00100 / H-1

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101235F, 0401314F **Other Related Program Elements:**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / UH-1N SIMULATOR UPGRADE (Service Life Extension)	P-40a***		- / 1.820	- / -	- / -	- / -	- / -	- / -
2 / HUEY II MODERNIZATION (Service Life Extension)	P-40a***		- / 158.322	- / 0.977	- / 0.997	- / 1.014	- / -	- / 1.014
3 / TRAFFIC ALERT & COLLISION AVOIDANCE SYSTEM (Capability Improvement)	P-40a***		- / 6.000	- / 4.750	- / 4.750	- / -	- / -	- / -
4 / UH-1N Safety Modifications (Safety)	P-40a***		- / 11.200	- / -	- / -	- / -	- / -	- / -
5 / AETC FLIR (Capability Improvement)	P-40a***		- / -	- / -	- / 0.500	- / 1.800	- / -	- / 1.800
6 / USMC Missionization (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / 0.028	- / -	- / 0.028
7 / Simulator Concurrency (Other)	P-40a***		- / -	- / -	- / 0.075	- / 1.651	- / -	- / 1.651
8 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 2.901	- / 0.900	- / 1.915	- / 1.798	- / -	- / 1.798
Total Gross/Weapon System Cost			- / 180.243	- / 6.627	- / 8.237	- / 6.291	- / -	- / 6.291

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / UH-1N SIMULATOR UPGRADE (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.820
2 / HUEY II MODERNIZATION (Service Life Extension)	P-40a***		- / 1.029	- / 1.050	- / 1.068	- / 1.086	- / -	- / 165.543
3 / TRAFFIC ALERT & COLLISION AVOIDANCE SYSTEM (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 15.500
4 / UH-1N Safety Modifications (Safety)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 11.200
5 / AETC FLIR (Capability Improvement)	P-40a***		- / 1.900	- / -	- / -	- / -	- / -	- / 4.200
6 / USMC Missionization (Capability Improvement)	P-40a***		- / 3.330	- / 0.786	- / -	- / -	- / -	- / 4.144
7 / Simulator Concurrency (Other)	P-40a***		- / 1.189	- / -	- / -	- / -	- / -	- / 2.915
8 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 1.609	- / 1.626	- / 1.640	- / 1.668	- / -	- / 14.057
Total Gross/Weapon System Cost			- / 9.057	- / 3.462	- / 2.708	- / 2.754	- / -	- / 219.379

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: H0106O / UH-1N Replacement
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0101235F	Other Related Program Elements:
---	--	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	2.456	-	2.456	52.416	127.494	127.376	127.098	543.160	980.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	2.456	-	2.456	52.416	127.494	127.376	127.098	543.160	980.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	2.456	-	2.456	52.416	127.494	127.376	127.098	543.160	980.000

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

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

Description:

The Utility Helicopter (UH)-1N Replacement Program addresses vertical lift support mission requirements for Air Force Global Strike Command (AFGSC), Air Force District of Washington (AFDW), Pacific Air Force (PACAF), Air Force Materiel Command (AFMC), and Air Education and Training Command (AETC). The UH-1N Replacement aircraft will provide vertical lift support for nuclear weapon convoy escort, 24/7 adverse weather capable Intercontinental Ballistic Missile (ICBM) emergency security response and operational support, as well as Operational Support Airlift (OSA) in the National Capital Region. Other missions will include Pacific Air Forces OSA, USAF survival school support, and combat aviation school training.

The UH-1N Replacement program will replace the current Air Force fleet of 62 UH-1N aircraft by acquiring a vertical lift aircraft with mature technology that minimizes acquisition time and a goal of leveraging existing airworthiness certifications. Due to the capability gaps with the current system that restrict mission execution, the Joint Requirements Oversight Council (JROC) and Lead Command have prioritized immediate fielding over development time to achieve objective performance values. The acquisition of a mature system will enable the Air Force to tailor process timelines and expedite the delivery of an urgently-required capability. This will yield the best balance reduced risk, acceptable performance, executable schedule, and life cycle affordability.

The UH-1N does not possess an established engineering service life based on accumulated flight hours. However, the current UH-1N fleet has severe capability shortfalls in carrying capacity, speed, range, endurance, survivability and is unable to meet their assigned mission requirements.

Funding for this exhibit is contained in PE0102110F.

This UH-1N Replacement program is a new start.

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
H0106O / UH-1N Replacement

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101235F **Other Related Program Elements:**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
8910 / UH-1N Replacement (Other)	P-3a		- / -	- / -	- / -	- / 2.456	- / -	- / 2.456
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / 2.456	- / -	- / 2.456

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
8910 / UH-1N Replacement (Other)	P-3a		- / 52.416	- / 127.494	- / 127.376	- / 127.098	- / 543.160	- / 980.000
Total Gross/Weapon System Cost			- / 52.416	- / 127.494	- / 127.376	- / 127.098	- / 543.160	- / 980.000

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

Justification:
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: H0106O / UH-1N Replacement	Modification Number / Title: 8910 / UH-1N Replacement
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	2.456	-	2.456	52.416	127.494	127.376	127.098	543.160	980.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	2.456	-	2.456	52.416	127.494	127.376	127.098	543.160	980.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	2.456	-	2.456	52.416	127.494	127.376	127.098	543.160	980.000

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

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

Description:

The UH-1N Replacement Program acquires Government/Commercial off the Shelf (GOTS/COTS) vertical lift aircraft and installs modification kits to support mission requirements for AFGSC, AFDW, PACAF, AFMC, and AETC.

FY16 funding provides for program management oversight and activities. Additionally, reports will be developed in support of this effort that include but are not limited to: Analysis of Alternatives (AoA), Core Logistics Determination/Core Logistics and Sustaining Workloads Estimate, Life-Cycle Cost Estimates, Life Cycle Sustainment Plan (LCSP), Capability Development Document (CDD), Industrial Base Capabilities Considerations, Program Protection Plan (PPP), and Should-Cost Target.

FY17 and out year funding provides for continued program management oversight and the replacement of the UH-1N fleet. The funding profile is a placeholder for the replacement program and will change once the program office is established (FY16) and has developed the official program office estimate and approved acquisition strategy.

There is currently no RDT&E component identified for this effort. This may change as the acquisition strategy is refined.

This UH-1N Replacement program is a new start.

Milestone/Development Status

Not Applicable

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: H0106O / UH-1N Replacement					Modification Number / Title: 8910 / UH-1N Replacement			
Models of Systems Affected: UH-1N Replacement Helicopter					Modification Type: Other					Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> UH-1N Replacement Helicopter													
A Kits													
Recurring													
UH-1N Replacement Helicopter:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	4 / 13.240	10 / 35.318	10 / 35.200	10 / 35.922	38 / 164.456	72 / 284.136	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.240	- / 35.318	- / 35.200	- / 35.922	- / 164.456	- / 284.136	
B Kits													
Recurring													
UH-1N Replacement Helicopter:EQUIPMENT Group B (Active)	- / -	- / -	- / -	- / -	- / -	- / -	4 / 13.000	10 / 36.000	10 / 36.000	10 / 35.000	38 / 164.000	72 / 284.000	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.000	- / 36.000	- / 36.000	- / 35.000	- / 164.000	- / 284.000	
<i>Subtotal: UH-1N Replacement Helicopter</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.240	- / 71.318	- / 71.200	- / 70.922	- / 328.456	- / 568.136	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.240	- / 71.318	- / 71.200	- / 70.922	- / 328.456	- / 568.136	
Support (All Modification Items)													
PMA - Other Gov't Costs	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.176	- / 0.176	- / 0.176	- / 0.176	- / 24.704	- / 25.408	
PMA - Contractor Services	- / -	- / -	- / -	- / 2.456	- / -	- / 2.456	- / 6.000	- / 6.000	- / 6.000	- / 6.000	- / -	- / 26.456	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 2.456	- / -	- / 2.456	- / 6.176	- / 6.176	- / 6.176	- / 6.176	- / 24.704	- / 51.864	
Installation													
<i>Modification Item 1 of 1:</i> UH-1N Replacement Helicopter													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	4 / 20.000	10 / 50.000	10 / 50.000	10 / 50.000	38 / 190.000	72 / 360.000	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	2.456	-	2.456	52.416	127.494	127.376	127.098	543.160	980.000	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: H0106O / UH-1N Replacement	Modification Number / Title: 8910 / UH-1N Replacement

Modification Item 1 of 1: UH-1N Replacement Helicopter

Manufacturer Information

Manufacturer Name: Multiple manufacturers	Manufacturer Location: GA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 6

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	4 / 20.000	- / -	- / -	- / -	- / -	4 / 20.000
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 50.000	- / -	- / -	- / -	10 / 50.000
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 50.000	- / -	- / -	10 / 50.000
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 50.000	- / -	10 / 50.000
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 190.000	38 / 190.000
Total	- / -	- / -	- / -	- / -	- / -	- / -	4 / 20.000	10 / 50.000	10 / 50.000	10 / 50.000	38 / 190.000	72 / 360.000

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	2	3	2	3	2	3	2	3	2	3	2	38	72
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	2	3	2	3	2	3	2	48	72

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: H06000 / H-60
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207224F	Other Related Program Elements: 0207224F
--	---	--

Line Item MDAP/MAIS Code: None	Item MDAP/MAIS Code(s):
--------------------------------	-------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	648.623	27.654	60.110	45.731	39.300	85.031	90.171	53.477	32.882	23.731	-	1,021.679
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	648.623	27.654	60.110	45.731	39.300	85.031	90.171	53.477	32.882	23.731	-	1,021.679
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	648.623	27.654	60.110	45.731	39.300	85.031	90.171	53.477	32.882	23.731	-	1,021.679

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

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

Description:

This line item funds modifications to the HH-60G helicopter. The HH-60G currently supports the Air Force's core function of Personnel Recovery. The primary mission of the HH-60G is to conduct day / night / marginal weather Combat Search and Rescue (CSAR) in order to recover isolated personnel in hostile or permissive environments. Other mission areas include casualty evacuation (CASEVAC), medical evacuation (MEDEVAC), non-combatant evacuation operations, civil search and rescue, international aid, disaster humanitarian relief, and insertion/extraction of combat forces. There are currently 97 aircraft, at 24 years average age, remaining of the original 112 HH-60Gs.

The modification efforts budgeted in FY16 provide predictive maintenance analysis, safety/survivability upgrades, mission avionics upgrades, operational loss replacement mission modifications, and addresses obsolescence issues.

A proponderance of the FY16 OCO funds (\$36.3M) will be used to replace the HH-60G over the horizon communication system. This replacement is necessary to ensure command and control connectivity and operational effectiveness in the evolving and isolated areas of operations of AFRICOM, CENTCOM, and PACOM. While this is a looming obsolescence issues, existing capability has experienced rapid inventory depletion rates from operating in these harsh environments. The remaining \$3M completes rotor brake system modifications required for afloat staging and shipboard operations within AFRICOM, CENTCOM, and PACOM.

The FY2016 funding request was reduced by \$30.225 million to account for the availability of prior execution balances.

Funding for this exhibit contained in PE 0207224F.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: H06000 / H-60
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207224F	Other Related Program Elements: 0207224F
---	--	---

Line Item MDAP/MAIS Code: None	Item MDAP/MAIS Code(s):
---------------------------------------	--------------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	23.055	57.829	43.547	39.300	82.847	74.916	43.019	23.132	22.611
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.127	0.461	0.772	-	0.772	8.940	6.242	6.060	0.700
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.472	1.820	1.412	-	1.412	6.315	4.216	3.690	0.420
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	27.654	60.110	45.731	39.300	85.031	90.171	53.477	32.882	23.731

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
H06000 / H-60

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F **Other Related Program Elements:** 0207224F

Line Item MDAP/MAIS Code: None **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / ALTITUDE HOLD AND HOVER SYSTEM (AHHS) (Capability Improvement)	P-40a***		- / 33.077	- / 4.281	- / 1.118	- / 0.599	- / -	- / 0.599
2 / KIRTLAND SIM UPGRADES (Other)	P-40a***		- / 37.778	- / -	- / -	- / -	- / -	- / -
3 / SERVICE LIFE EXTENSION PROGRAM (Service Life Extension)	P-40a***		- / 38.307	- / -	- / -	- / -	- / -	- / -
4 / LIGHTWEIGHT AIRBORNE RECOVERY SYSTEM V12 UPGRADE (Capability Improvement)	P-40a***		- / 20.580	- / 2.081	- / 1.001	- / 0.390	- / -	- / 0.390
5 / Control Display Unit (CDU) (Capability Improvement)	P-40a***		- / 13.034	- / 0.010	- / 0.010	- / 0.010	- / -	- / 0.010
6 / Navigation System Upgrade (NSU) (Capability Improvement)	P-40a***		- / 54.167	- / 2.233	- / 0.727	- / 1.245	- / -	- / 1.245
7 / Vibration Monitoring System (VMS) (Reliability & Maintainability)	P-40a***		- / 29.743	- / 4.506	- / 4.779	- / 1.885	- / -	- / 1.885
8 / Situation Awareness Data-Link (Capability Improvement)	P-40a***		- / 21.957	- / -	- / -	- / -	- / -	- / -
9 / Multi-function Color Display (Capability Improvement)	P-40a***		- / 28.875	- / 0.984	- / 0.944	- / 1.456	- / -	- / 1.456
10 / MODE 5 (Capability Improvement)	P-40a***		- / 11.675	- / 0.550	- / 0.670	- / 0.908	- / -	- / 0.908
11 / Gun Replacement (Reliability & Maintainability)	P-40a***		- / 10.404	- / 7.435	- / 2.381	- / 0.952	- / -	- / 0.952
12 / CSAR Avionics/Electrical Upgrade (Capability Improvement)	P-40a***		- / 10.256	- / 0.704	- / 3.759	- / 0.758	- / -	- / 0.758
13 / DEFENSIVE SYSTEM UPGRADE (Capability Improvement)	P-40a***		- / 14.979	- / 0.020	- / 0.020	- / -	- / -	- / -
14 / Ballistic Protection Enhancement (Capability Improvement)	P-40a***		- / 1.867	- / 0.020	- / 0.010	- / -	- / -	- / -
15 / SERVICE BULLETINS (Other)	P-40a***		- / 0.091	- / -	- / -	- / -	- / -	- / -
16 / LOW COST MODIFICATIONS (Other)	P-40a***		- / 2.940	- / 0.970	- / 0.409	- / 0.372	- / -	- / 0.372
8854 / HH-60 OLR Mission Modifications (Other)	P-3a		- / 318.893	- / 3.860	- / 44.282	- / 21.937	- / -	- / 21.937
8856 / Block 162 (Service Life Extension)	P-3a		- / -	- / -	- / -	- / 15.219	- / 36.300	- / 51.519
8857 / Rotor Brake (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 3.000	- / 3.000	- / 3.000
Total Gross/Weapon System Cost			- / 648.623	- / 27.654	- / 60.110	- / 45.731	- / 39.300	- / 85.031

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / ALTITUDE HOLD AND HOVER SYSTEM (AHHS) (Capability Improvement)	P-40a***		- / 0.531	- / 0.010	- / -	- / -	- / -	- / 39.616
2 / KIRTLAND SIM UPGRADES (Other)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 37.778
3 / SERVICE LIFE EXTENSION PROGRAM (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 38.307
4 / LIGHTWEIGHT AIRBORNE RECOVERY SYSTEM V12 UPGRADE (Capability Improvement)	P-40a***		- / 0.483	- / 0.010	- / -	- / -	- / -	- / 24.545
5 / Control Display Unit (CDU) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 13.064
6 / Navigation System Upgrade (NSU) (Capability Improvement)	P-40a***		- / 2.719	- / 2.759	- / 0.100	- / -	- / -	- / 63.950
7 / Vibration Monitoring System (VMS) (Reliability & Maintainability)	P-40a***		- / 0.654	- / 0.310	- / -	- / -	- / -	- / 41.877
8 / Situation Awareness Data-Link (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 21.957
9 / Multi-function Color Display (Capability Improvement)	P-40a***		- / 1.150	- / 0.626	- / -	- / -	- / -	- / 34.035

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
H06000 / H-60

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F **Other Related Program Elements:** 0207224F

Line Item MDAP/MAIS Code: None **Item MDAP/MAIS Code(s):**

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
10 / MODE 5 (Capability Improvement)	P-40a***		- / 1.844	- / 1.946	- / 0.100	- / -	- / -	- / 17.693
11 / Gun Replacement (Reliability & Maintainability)	P-40a***		- / 1.795	- / 3.416	- / -	- / -	- / -	- / 26.383
12 / CSAR Avionics/Electrical Upgrade (Capability Improvement)	P-40a***		- / 0.908	- / 0.882	- / 0.320	- / 0.380	- / -	- / 17.967
13 / DEFENSIVE SYSTEM UPGRADE (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 15.019
14 / Ballistic Protection Enhancement (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.897
15 / SERVICE BULLETINS (Other)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.091
16 / LOW COST MODIFICATIONS (Other)	P-40a***		- / 0.434	- / 1.687	- / 1.223	- / 1.681	- / -	- / 9.716
8854 / HH-60 OLR Mission Modifications (Other)	P-3a		- / 40.538	- / 12.000	- / -	- / -	- / -	- / 441.510
8856 / Block 162 (Service Life Extension)	P-3a		- / 39.115	- / 29.831	- / 31.139	- / 21.670	- / -	- / 173.274
8857 / Rotor Brake (Capability Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 3.000
Total Gross/Weapon System Cost			- / 90.171	- / 53.477	- / 32.882	- / 23.731	- / -	- / 1,021.679

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: H06000 / H-60				Modification Number / Title: 8854 / HH-60 OLR Mission Modifications				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	318.893	3.860	44.282	21.937	-	21.937	40.538	12.000	-	-	-	441.510
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	318.893	3.860	44.282	21.937	-	21.937	40.538	12.000	-	-	-	441.510
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	318.893	3.860	44.282	21.937	-	21.937	40.538	12.000	-	-	-	441.510

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The HH-60 Operational Loss Replacement (OLR) Mission Modification Program upgrades 21 Army UH-60L aircraft to the current Air Force HH-60G configuration, creating the Block 162 configuration. One OLR mission modification kit, made up of individual components for each system, will be installed per aircraft, for a total of 21 kits. This will require Non-Recurring Engineering (NRE) to develop a consolidated engineering package for installation. Two kits will be installed during this NRE and trial install effort. Long lead items will be procured as required to ensure they are available when needed. Long lead items include Group B Equipment such as: the avionics components, air refueling probes, and various specialized structures including, but not limited to, Color Weather RADAR (CWR) and Forward Looking Infrared (FLIR) fairings. Required NRE, Prototype, Trial Install Kit Proof, Technical Data Updated and Modernization, and Software Lab support will be accomplished through existing US Army contracts where able. Additionally, reports will be requested in support of this effort that include but are not limited to: economic service life, aircraft system specification, information support and aircraft modernization. The aircraft modification installation will be accomplished using a hybrid approach. This hybrid approach uses a combination of the existing H-60 organic depot sources and contractor resources. Due to the urgency of this requirement, this approach maintains our inherent organic capabilities, but also minimizes the resource constraint impacts on existing aircraft workload and the OLR deliveries. Aircraft modification time will be reduced by establishing modification capabilities, providing specialized tooling required for the modification installs, at multiple depot locations which include Naval Air Station North Island, Corpus Christi Army Depot, Naval Air Station Jacksonville and Coast Guard Station Elizabeth City. As a result of the age of the current aircraft, obsolescence is a major concern. Initial estimates indicate there are specific mission systems that need to be replaced including, but not limited to; CWR, Symbol Generator, ARC-210 Radios, and the APR-39(B)V2 Radar Warning Receiver. Replacements have been identified for many of these components; however, some NRE may be required for aircraft integration. Additional NRE may be required for other obsolete systems/components that are identified during the effort. New components will require a software development node in order to modify the existing HH-60 software to accommodate the new aircraft components without impacting the legacy fleet. Qualification flight testing will be necessary to ensure the design for the new hardware and software is compatible with existing aircraft systems. Available program funding will be utilized to ensure the configuration remains common across the fleet. Finally, additional effort will be necessary to create modification instructions separate from the OLR Mission Modification Effort. FY16 funding provides for program management oversight, PMA, and production installs.

Milestone/Development Status

As part of the Operation Loss Replacement (OLR) Program, the HH-60G System Program Office (SPO) will convert 21 Army UH-60L aircraft to the current Air Force HH-60G Pave Hawk configuration. For the NRE/Prototype/Trial Install/Kit-proof, an existing Army Logistics Support Facility (LSF) Indefinite Delivery Indefinite Quantity (IDIQ) contract will be used. The majority of these one-time contract costs are captured in the "OTHER GOVT" category. The SPO will acquire the long lead items and the follow-on LSF contract will be used to acquire and assemble the remaining kits. Production installs will be performed at various depots. RDT&E is not a component of this effort.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: H06000 / H-60	Modification Number / Title: 8854 / HH-60 OLR Mission Modifications
---	---	---

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.860	44.282	21.937	-	21.937	40.538	12.000	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	3.860	44.282	21.937	-	21.937	40.538	12.000	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: H06000 / H-60					Modification Number / Title: 8854 / HH-60 OLR Mission Modifications			
Models of Systems Affected: HH-60G				Modification Type: Other				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: L2G KIT</i>													
A Kits													
Recurring													
L2G KIT:INSTALL KITS Group A (Active)	19 / 72.302	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 72.302	
<i>Subtotal: Recurring</i>	- / 72.302	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 72.302	
B Kits													
Recurring													
L2G KIT:EQUIPMENT Group B (Active)	19 / 127.699	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 127.699	
<i>Subtotal: Recurring</i>	- / 127.699	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 127.699	
<i>Subtotal: L2G KIT</i>	- / 200.001	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 200.001	
<i>Subtotal: Procurement, All Modification Items</i>	- / 200.001	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 200.001	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / 24.770	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.770	
GROUP B: TOTAL NONRECURRING	- / 11.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.500	
Change Orders	1 / 6.805	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 6.805	
Data	1 / 10.220	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.220	
SIM/TRAINER	3 / 11.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 11.500	
SUPPORT-EQUIP	1 / 4.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.500	
PMA - Contractor Services	- / 10.007	- / 3.760	- / 1.055	- / 1.087	- / -	- / 1.087	- / 1.120	- / -	- / -	- / -	- / -	- / 17.029	
PMA - Other Gov't Costs	- / 39.590	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.100	- / 0.100	- / -	- / -	- / -	- / -	- / 39.990	
PMA - Contractor Services (1)	- / -	- / -	- / 0.401	- / 3.524	- / -	- / 3.524	- / 1.692	- / 5.937	- / -	- / -	- / -	- / 11.554	
<i>Subtotal: Support</i>	6 / 118.892	- / 3.860	- / 1.556	- / 4.711	- / -	- / 4.711	- / 2.912	- / 5.937	- / -	- / -	- / -	6 / 137.868	
Installation													
<i>Modification Item 1 of 1: L2G KIT</i>	- / -	- / -	8 / 42.726	3 / 17.226	- / -	3 / 17.226	7 / 37.626	1 / 6.063	- / -	- / -	- / -	19 / 103.641	
<i>Subtotal: Installation</i>	- / -	- / -	8 / 42.726	3 / 17.226	- / -	3 / 17.226	7 / 37.626	1 / 6.063	- / -	- / -	- / -	19 / 103.641	
Total													
Total Cost (Procurement + Support + Installation)	318.893	3.860	44.282	21.937	-	21.937	40.538	12.000	-	-	-	441.510	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: H06000 / H-60	Modification Number / Title: 8854 / HH-60 OLR Mission Modifications

Modification Item 1 of 1: L2G KIT

Manufacturer Information

Manufacturer Name: Science and Engineering Inc	Manufacturer Location: AL
Administrative Leadtime (in Months): 8	Production Leadtime (in Months): 30

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

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 42.726	3 / 17.226	- / -	3 / 17.226	7 / 37.626	1 / 6.063	- / -	- / -	- / -	19 / 103.641
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	8 / 42.726	3 / 17.226	- / -	3 / 17.226	7 / 37.626	1 / 6.063	- / -	- / -	- / -	19 / 103.641

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	3	4	4	1	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	3	4	4	1	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	19

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: H06000 / H-60				Modification Number / Title: 8856 / Block 162				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	15.219	36.300	51.519	39.115	29.831	31.139	21.670	-	173.274
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	15.219	36.300	51.519	39.115	29.831	31.139	21.670	-	173.274
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	15.219	36.300	51.519	39.115	29.831	31.139	21.670	-	173.274

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

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

Description:

Block 162 is a new start modification effort for the HH-60G. The Block 162 Modification Program synchronizes 97 legacy HH-60G aircraft with aircraft modified as part of the Ops Loss Replacement (OLR) effort. In the course of completing the OLR program, certain systems were identified as obsolete. The scope of this modification addresses the obsolete systems identified by the OLR program and is divided into the following three parts: Avionics Communications Suite Upgrade (ACSU), Electronic Fuel Quantity Indicator (EFQI), and the Obsolescence Kit (UH-60L to HH-60G),

The effort begins with conformance of the HH-60G to a baseline with the installation of the Aircraft Communications Suite Upgrade (ACSU) and EFQI kit. The ACSU kit includes the removal of the Automatic Direction Finder (ADF), radio retransmit, and the V/UHF Direction Finder. The ACSU is installed on 32 Air National Guard (ANG) and Air Force Reserve (AFRES) to meet communication and impending obsolescent waveform requirements. As such, kits purchased for ACSU will be of sufficient quantity to cover the remaining 65 aircraft. The EFQI kit will need to be applied to all HH-60G aircraft currently in the inventory, 97. This kit only replaces the existing EFQI as an obsolescent item. After these two mods are installed the Obsolescence kit can be applied to 97 aircraft. The Obsolescence Kit consists of the following components: color weather radar, Tactical Air Navigation (TACAN), Digital Symbol Generator Unit (SGU), and Digital Intercommunications System (ICS).

Long lead items include, but are not limited to the color weather radar, ACSU Group B components, TACAN Group B components and EFQI Group B components. Existing contracts will be used to the fullest extent possibly to procure long lead components. Modification installations will be accomplished by existing H-60 organic depot sources and contract field teams.

Milestone/Development Status

There is no development associated with this effort. This modification will use technical data gleaned from Mod# 8850, OLR.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	14.643	36.300	50.943	25.915	20.451	21.389	20.550
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.306	-	0.306	7.700	5.380	6.060	0.700

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: H06000 / H-60	Modification Number / Title: 8856 / Block 162
---	---	---

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.270	-	0.270	5.500	4.000	3.690	0.420
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	15.219	36.300	51.519	39.115	29.831	31.139	21.670

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: H06000 / H-60					Modification Number / Title: 8856 / Block 162			
Models of Systems Affected: HH-60G				Modification Type: Service Life Extension				Related RDT&E PEs: 0207224F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 3: ACSU Kits													
A Kits													
Recurring													
ACSU Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	18 / 2.074	47 / 5.417	65 / 7.491	- / -	- / -	- / -	- / -	- / -	65 / 7.491	
Subtotal: Recurring	- / -	- / -	- / -	- / 2.074	- / 5.417	- / 7.491	- / -	- / -	- / -	- / -	- / -	- / 7.491	
B Kits													
Recurring													
ACSU Kits:EQUIPMENT Group B (Active)	- / -	- / -	- / -	18 / 9.138	47 / 23.861	65 / 32.999	- / -	- / -	- / -	- / -	- / -	65 / 32.999	
Subtotal: Recurring	- / -	- / -	- / -	- / 9.138	- / 23.861	- / 32.999	- / -	- / -	- / -	- / -	- / -	- / 32.999	
Subtotal: ACSU Kits	- / -	- / -	- / -	- / 11.212	- / 29.278	- / 40.490	- / -	- / -	- / -	- / -	- / -	- / 40.490	
Modification Item 2 of 3: EFQI													
B Kits													
Recurring													
EFQI:EQUIPMENT Group B (Active)	- / -	- / -	- / -	65 / 1.170	- / -	65 / 1.170	- / -	- / -	- / -	- / -	- / -	65 / 1.170	
EFQI:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	17 / 0.306	- / -	17 / 0.306	- / -	- / -	- / -	- / -	- / -	17 / 0.306	
EFQI:EQUIPMENT Group B (Reserve)	- / -	- / -	- / -	15 / 0.270	- / -	15 / 0.270	- / -	- / -	- / -	- / -	- / -	15 / 0.270	
Subtotal: Recurring	- / -	- / -	- / -	- / 1.746	- / -	- / 1.746	- / -	- / -	- / -	- / -	- / -	- / 1.746	
Subtotal: EFQI	- / -	- / -	- / -	- / 1.746	- / -	- / 1.746	- / -	- / -	- / -	- / -	- / -	- / 1.746	
Modification Item 3 of 3: Obsolescence Kit													
A Kits													
Recurring													
Obsolescence Kit:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	23 / 7.301	13 / 4.160	15 / 4.800	- / -	- / -	51 / 16.261	
Obsolescence Kit:INSTALL KITS Group A (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.240	4 / 1.280	5 / 1.600	- / -	- / -	16 / 5.120	
Obsolescence Kit:INSTALL KITS Group A (Reserve)	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.600	3 / 0.960	3 / 0.930	- / -	- / -	11 / 3.490	
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.141	- / 6.400	- / 7.330	- / -	- / -	- / 24.871	
B Kits													
Recurring													
Obsolescence Kit:EQUIPMENT Group B (Active)	- / -	- / -	- / -	- / -	- / -	- / -	23 / 17.640	13 / 10.140	15 / 11.730	- / -	- / -	51 / 39.510	
Obsolescence Kit:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	7 / 5.460	4 / 3.120	5 / 3.900	- / -	- / -	16 / 12.480	
Obsolescence Kit:EQUIPMENT Group B (Reserve)	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.900	3 / 2.340	3 / 2.340	- / -	- / -	11 / 8.580	
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / 27.000	- / 15.600	- / 17.970	- / -	- / -	- / 60.570	
Subtotal: Obsolescence Kit	- / -	- / -	- / -	- / -	- / -	- / -	- / 38.141	- / 22.000	- / 25.300	- / -	- / -	- / 85.441	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: H06000 / H-60					Modification Number / Title: 8856 / Block 162		
Models of Systems Affected: HH-60G				Modification Type: Service Life Extension				Related RDT&E PEs: 0207224F				
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 12.958	- / 29.278	- / 42.236	- / 38.141	- / 22.000	- / 25.300	- / -	- / -	- / 127.677
Support (All Modification Items)												
PMA - Contractor Services	- / -	- / -	- / -	- / 0.181	- / -	- / 0.181	- / 0.950	- / 2.821	- / 2.929	- / 3.800	- / -	- / 10.681
OTHER GOVT	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.024	- / 0.110	- / 0.110	- / 0.120	- / -	- / 0.364
PMA - Other Gov't Costs	- / -	- / -	- / -	- / -	- / 0.442	- / 0.442	- / -	- / -	- / -	- / 14.530	- / -	- / 14.972
OCO INSTALLATIONS	- / -	- / -	- / -	- / -	47 / 6.580	47 / 6.580	- / -	- / -	- / -	- / -	- / -	47 / 6.580
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 0.181	47 / 7.022	47 / 7.203	- / 0.974	- / 2.931	- / 3.039	- / 18.450	- / -	47 / 32.597
Installation												
<i>Modification Item 1 of 3: ACSU Kits</i>	- / -	- / -	- / -	11 / 2.080	- / -	11 / 2.080	36 / -	18 / -	- / -	- / -	- / -	65 / 2.080
<i>Modification Item 3 of 3: Obsolescence Kit</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 4.900	20 / 2.800	23 / 3.220	- / -	78 / 10.920
<i>Subtotal: Installation</i>	- / -	- / -	- / -	11 / 2.080	- / -	11 / 2.080	36 / -	53 / 4.900	20 / 2.800	23 / 3.220	- / -	143 / 13.000
Total												
Total Cost (Procurement + Support + Installation)	-	-	-	15.219	36.300	51.519	39.115	29.831	31.139	21.670	-	173.274

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: H06000 / H-60	Modification Number / Title: 8856 / Block 162

Modification Item 1 of 3: ACSU Kits

Manufacturer Information

Manufacturer Name: Rockwell Collins	Manufacturer Location: IA
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 9

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	11 / 2.080	- / -	11 / 2.080	36 / -	18 / -	- / -	- / -	- / -	65 / 2.080
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	11 / 2.080	- / -	11 / 2.080	36 / -	18 / -	- / -	- / -	- / -	65 / 2.080

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	5	6	9	9	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	65
Out	0	-	-	-	-	-	-	-	-	-	-	-	5	6	9	9	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	65

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: H06000 / H-60	Modification Number / Title: 8856 / Block 162
---	---	---

Modification Item 2 of 3: EFQI

Manufacturer Information

Manufacturer Name: SESI	Manufacturer Location: AL
-------------------------	---------------------------

Administrative Leadtime (<i>in Months</i>): 6	Production Leadtime (<i>in Months</i>): 12
---	--

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 97
---	----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: H06000 / H-60	Modification Number / Title: 8856 / Block 162

Modification Item 3 of 3: Obsolescence Kit

Manufacturer Information

Manufacturer Name: Rockwell Collins	Manufacturer Location: IA
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 4.900	- / -	- / -	- / -	35 / 4.900
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 2.800	- / -	- / -	20 / 2.800
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 3.220	- / -	23 / 3.220
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 4.900	20 / 2.800	23 / 3.220	- / -	78 / 10.920

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	9	9	9	5	5	5	5	6	6	6	5	-	78
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	9	9	9	5	5	5	5	6	6	6	5	-	78

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: H06000 / H-60					Modification Number / Title: 8857 / Rotor Brake	

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	-	3.000	3.000	-	-	-	-	-	3.000
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	-	3.000	3.000	-	-	-	-	-	3.000
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	-	3.000	3.000	-	-	-	-	-	3.000

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

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

Description:

The U.S. Air Force HH-60G PAVE HAWK helicopter's primary mission of Personnel Recovery (PR) is to pick up downed aircrew members and other isolated personnel in austere and unfriendly territory. Included in the PR mission is the requirement for shipboard operations. In order for the HH-60G to safely conduct shipboard operations, the helicopter must have rotor brakes installed. In 2008 the HH-60 Program Office issued a Time Compliance Technical Order (TCTO), 1H-60-923, which consisted of three initiatives; (1) installation of T701C engines, (2) upgrade to improved durability gear box, and (3) installation of rotor brakes. The Air Force Reserve Command (AFRC) HH-60Gs were omitted from TCTO 1H-60-923 and did not receive these upgrades. The AFRC helicopters have received the new T701C engines and improved durability gear box through other forced initiatives, however the rotor brake portion of the TCTO is still required on their 15 HH-60s. The AFRC, through use of National Guard and Reserve Equipment Appropriation (NGREA) 0350 funds, have initiated contracting action for the procurement of installation kits. The purpose of this effort is to procure the installation of those kits.

Milestone/Development Status

There is no development required for this effort as the kits and installations will be accomplished via existing technical data.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	3.000	3.000	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	3.000	3.000	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: H06000 / H-60					Modification Number / Title: 8857 / Rotor Brake			
Models of Systems Affected: HH-60G				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Rotor Brake</i>													
A Kits													
Recurring													
Rotor Brake:INSTALL KITS Group A (Reserve)	- / -	- / -	- / -	- / -	15 / -	15 / -	- / -	- / -	- / -	- / -	- / -	15 / -	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Rotor Brake</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Support (All Modification Items)													
OCO INSTALLATIONS	- / -	- / -	- / -	- / -	15 / 3.000	15 / 3.000	- / -	- / -	- / -	- / -	- / -	15 / 3.000	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / -	15 / 3.000	15 / 3.000	- / -	- / -	- / -	- / -	- / -	15 / 3.000	
Installation													
<i>Modification Item 1 of 1: Rotor Brake</i>													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	15 / -	- / -	15 / -	- / -	- / -	- / -	- / -	- / -	15 / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	-	3.000	3.000	-	-	-	-	-	3.000	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: H06000 / H-60	Modification Number / Title: 8857 / Rotor Brake

Modification Item 1 of 1: Rotor Brake

Manufacturer Information

Manufacturer Name: Sikorsky	Manufacturer Location: CT
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 3

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	15 / -	- / -	15 / -	- / -	- / -	- / -	- / -	- / -	15 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	15 / -	- / -	15 / -	- / -	- / -	- / -	- / -	- / -	15 / -

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	3	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Out	0	-	-	-	-	-	-	-	-	3	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0305220F	Other Related Program Elements: 0305220F
--	---	--

Line Item MDAP/MAIS Code: 252	Item MDAP/MAIS Code(s):
-------------------------------	-------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	384.710	9.313	21.354	50.022	-	50.022	34.493	89.248	67.265	68.477	837.539	1,562.421
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	384.710	9.313	21.354	50.022	-	50.022	34.493	89.248	67.265	68.477	837.539	1,562.421
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	384.710	9.313	21.354	50.022	-	50.022	34.493	89.248	67.265	68.477	837.539	1,562.421

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

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

Description:

The RQ-4 System provides high altitude, deep look, long-endurance intelligence, surveillance, and reconnaissance (ISR) capability that complements space and other airborne collectors during peacetime, crisis, and war-fighting scenarios. The aircraft is an autonomous, high altitude, long-endurance, Remotely Piloted Aircraft (RPA). Currently, the active inventory consists of four (4) Block 20s, eighteen (18) Block 30s, and eleven (11) Block 40s. Three (3) additional Block 30s are currently in production with scheduled deliveries in FY17. The ground segment includes the Mission Control Element (MCE) and the Launch Recovery Element (LRE). There are a total of ten (10) active ground segments in the existing RQ-4 inventory.

The designed service life of the Block 30 RPAs is approximately 25 years with an average service life remaining of 17 years through 2032. The designed service life of the Block 40 RPAs is approximately 25 years with an average service life remaining of 19 years through 2034. The designed service life of the ground segments is approximately 32 years with an average service life remaining of 19 years through 2034.

The RQ-4B is the successor to the RQ-4A, and is designed to employ 3,000 pounds of payload and enable multi-intelligence (multi-INT) collecting. The RQ-4B has three configurations: Block 20, Block 30, and Block 40. The Block 20 employs upgraded Synthetic Aperture Radar (SAR) and Electro-Optical/Infrared (EO/IR) sensors - Enhanced Integrated Sensor Suite (EISS) - in an imagery intelligence only configuration. One SAR capable B20 remains in the fleet. Additionally, 4 Block 20's have been converted to Battlefield Airborne Communications Node (BACN) of which three (3) remain active. These aircraft are not SAR capable. The remaining Block 20 aircraft support test projects for all RQ-4 Blocks. The Block 30 employs the same EISS sensors as the Block 20, and integrates a wide spectrum signals intelligence (SIGINT) sensor, the Airborne Signals Intelligence Payload (ASIP). EISS and ASIP are used simultaneously to create a multi-INT platform. The Block 40 integrates the Multi-Platform Radar Technology Insertion Program (MP-RTIP) radar that has GMTI capability. The support segment includes aerospace ground equipment, tech orders, spares, support equipment, and training to enable operation of the RQ-4 System. To protect production schedules from Diminishing Manufacturing Sources (DMS) and material shortages issues, the program will perform schedule protection buys when appropriate.

The RQ-4 program will incorporate applicable synergies with other platforms, including the U.S. Navy Triton, and other RPA weapon systems.

The RQ-4 system will be continually modified to maintain pace with evolving threats and increasing capabilities included in modernization efforts. These planned modifications include aircraft, ground station/communications and other retrofits to incorporate new capabilities such as next-generation sensing, EISS sensor interoperability enhancements and upgrades, SAR complex imagery, Airborne Data Computer, JPEG 2000, Joint Mission Planning System (JMPS), enhanced weather capabilities, engine performance, ice protection system, INMARSAT/COMSEC, Mode 5/Automatic Dependent Surveillance-Broadcast (ADS-B), reliability, maintainability and availability efforts, next generation communications, and sensor integration.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
HAWK00 / RQ-4 MODS

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0305220F **Other Related Program Elements:** 0305220F

Line Item MDAP/MAIS Code: 252 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / GH Aircraft Mods (Capability Improvement)	P-40a***		- / 369.687	- / 8.813	- / 8.906	- / 4.715	- / -	- / 4.715
2 / GH Ground Station Mods (Capability Improvement)	P-40a***		- / 15.023	- / 0.500	- / -	- / -	- / -	- / -
3 / ASIP Install/Calibration (Capability Improvement)	P-40a***		- / -	- / -	- / 12.448	- / -	- / -	- / -
4 / MODE 5/ADS-B (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
5 / Sensor Enhancements (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
6 / Ice Protection System (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
7 / ADC/JPEG 2000 (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
8 / GSMP (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
9 / CSMP (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
470008 / Enhanced Weather Capability (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 5.832	- / -	- / 5.832
470009 / ASIP Increment I (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 30.501	- / -	- / 30.501
470010 / SAR Complex Imagery (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 2.133	- / -	- / 2.133
470014 / R&M Enhancements (Reliability & Maintainability)	P-3a		- / -	- / -	- / -	- / 4.841	- / -	- / 4.841
1 / LOW COST MODIFICATIONS (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 2.000	- / -	- / 2.000
Total Gross/Weapon System Cost			- / 384.710	- / 9.313	- / 21.354	- / 50.022	- / -	- / 50.022

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / GH Aircraft Mods (Capability Improvement)	P-40a***		- / 16.219	- / 28.933	- / 14.241	- / 13.103	- / 136.017	- / 600.634
2 / GH Ground Station Mods (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 15.523
3 / ASIP Install/Calibration (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 12.448
4 / MODE 5/ADS-B (Capability Improvement)	P-40a***		- / 1.205	- / 1.338	- / 2.804	- / -	- / -	- / 5.347
5 / Sensor Enhancements (Capability Improvement)	P-40a***		- / -	- / 44.995	- / 5.226	- / 20.312	- / 30.796	- / 101.329
6 / Ice Protection System (Capability Improvement)	P-40a***		- / -	- / -	- / 14.338	- / 17.724	- / 50.174	- / 82.236
7 / ADC/JPEG 2000 (Capability Improvement)	P-40a***		- / -	- / 3.368	- / 3.154	- / -	- / -	- / 6.522
8 / GSMP (Capability Improvement)	P-40a***		- / -	- / -	- / 22.916	- / 8.538	- / -	- / 31.454
9 / CSMP (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 417.139	- / 417.139
470008 / Enhanced Weather Capability (Capability Improvement)	P-3a		- / 7.599	- / 3.350	- / 0.331	- / 0.056	- / -	- / 17.168
470009 / ASIP Increment I (Capability Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 30.501
470010 / SAR Complex Imagery (Capability Improvement)	P-3a		- / 2.418	- / -	- / -	- / -	- / -	- / 4.551
470014 / R&M Enhancements (Reliability & Maintainability)	P-3a		- / 5.052	- / 5.264	- / 2.255	- / 6.744	- / 185.213	- / 209.369
1 / LOW COST MODIFICATIONS (Capability Improvement)	P-3a		- / 2.000	- / 2.000	- / 2.000	- / 2.000	- / 18.200	- / 28.200
Total Gross/Weapon System Cost			- / 34.493	- / 89.248	- / 67.265	- / 68.477	- / 837.539	- / 1,562.421

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0305220F	Other Related Program Elements: 0305220F
Line Item MDAP/MAIS Code: 252	Item MDAP/MAIS Code(s):	
*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.		
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.		
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.		

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS	Modification Number / Title: 470008 / Enhanced Weather Capability
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	5.832	-	5.832	7.599	3.350	0.331	0.056	-	17.168
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	5.832	-	5.832	7.599	3.350	0.331	0.056	-	17.168
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	5.832	-	5.832	7.599	3.350	0.331	0.056	-	17.168
<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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The RQ-4 program is developing and testing several capability enhancements to provide improved situational awareness and performance in severe weather. The Enhance Weather Capability effort will field the retrofit of onboard Weather Radar, Lightning Diverter Strips, Increased Engine performance, and minor communications enhancements concurrently developed with Weather Radar due to hardware & software development and fielding synergies.

The Enhanced Weather Capability modification effort is a New Start in FY16.

Milestone/Development Status

The Enhanced Weather Capability development effort is currently in the contracting phase. The T&E activity for the primary effort is the design and qualification of an onboard Weather Radar. This T&E activity will be completed with Block 30 planned to be the first qualified Block. Development and testing for all blocks will be complete in the first half of FY 2017. The objective is to begin retrofit activities immediately after completion of DT for Block 30s in order to minimize any delay to the field.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 **P-1 Line Item Number / Title:** HAWK00 / RQ-4 MODS **Modification Number / Title:** 470008 / Enhanced Weather Capability

Models of Systems Affected: RQ-4 **Modification Type:** Capability Improvement **Related RDT&E PEs:** 0305220F

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
0305220F	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Procurement												
<i>Modification Item 1 of 2: Group A Install Kits</i>												
A Kits												
Recurring												
Group A Install Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	56 / 0.583	- / -	56 / 0.583	43 / 0.691	17 / 0.280	4 / 0.013	3 / 0.002	- / -	123 / 1.569
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.583	- / -	- / 0.583	- / 0.691	- / 0.280	- / 0.013	- / 0.002	- / -	- / 1.569
<i>Subtotal: Group A Install Kits</i>	- / -	- / -	- / -	- / 0.583	- / -	- / 0.583	- / 0.691	- / 0.280	- / 0.013	- / 0.002	- / -	- / 1.569
<i>Modification Item 2 of 2: Group B Equipment</i>												
B Kits												
Recurring												
Group B Equipment:EQUIPMENT Group B (Active)	- / -	- / -	- / -	56 / 5.249	- / -	56 / 5.249	43 / 6.216	17 / 2.516	4 / 0.119	3 / 0.022	- / -	123 / 14.122
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 5.249	- / -	- / 5.249	- / 6.216	- / 2.516	- / 0.119	- / 0.022	- / -	- / 14.122
<i>Subtotal: Group B Equipment</i>	- / -	- / -	- / -	- / 5.249	- / -	- / 5.249	- / 6.216	- / 2.516	- / 0.119	- / 0.022	- / -	- / 14.122
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 5.832	- / -	- / 5.832	- / 6.907	- / 2.796	- / 0.132	- / 0.024	- / -	- / 15.691
Installation												
<i>Modification Item 1 of 2: Group A Install Kits</i>												
A Kits												
Recurring												
Group A Install Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	60 / 0.692	44 / 0.554	16 / 0.199	3 / 0.032	- / -	123 / 1.477
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	60 / 0.692	44 / 0.554	16 / 0.199	3 / 0.032	- / -	123 / 1.477
Total												
Total Cost (Procurement + Support + Installation)	-	-	-	5.832	-	5.832	7.599	3.350	0.331	0.056	-	17.168

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS	Modification Number / Title: 470008 / Enhanced Weather Capability

Modification Item 1 of 2: Group A Install Kits

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Palmdale, California
Administrative Leadtime (in Months): 8	Production Leadtime (in Months): 3

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	56 / 0.646	- / -	- / -	- / -	- / -	56 / 0.646
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.046	39 / 0.491	- / -	- / -	- / -	43 / 0.537
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.063	12 / 0.149	- / -	- / -	17 / 0.212
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.050	- / -	- / -	4 / 0.050
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.032	- / -	3 / 0.032
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	60 / 0.692	44 / 0.554	16 / 0.199	3 / 0.032	- / -	123 / 1.477

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	15	15	15	15	11	11	11	11	4	4	4	4	3	-	-	-	-	123
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	15	15	15	15	11	11	11	11	4	4	4	4	3	-	-	-	-	123

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS	Modification Number / Title: 470008 / Enhanced Weather Capability
---	--	---

Modification Item 2 of 2: Group B Equipment

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Palmdale, California
-------------------------------------	---

Administrative Leadtime (in Months): 8	Production Leadtime (in Months): 3
--	------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 0
---	---------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS	Modification Number / Title: 470009 / ASIP Increment I
---	--	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	30.501	-	30.501	-	-	-	-	-	30.501
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	30.501	-	30.501	-	-	-	-	-	30.501
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	30.501	-	30.501	-	-	-	-	-	30.501
<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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

ASIP Increment 1 incorporates additional signals and integrates advanced collection algorithms. It is a follow-on effort to the ASIP baseline program in compliance with SIGINT Capability Working Group priorities. The retrofit task will be implemented using the rotatable spares concept. Fielding is estimated to start in Mar 2017.

The ASIP Increment 1 modification effort is a New Start in FY16.

Milestone/Development Status

ISR Sensors group (AFLCMC/WIN) will initiate development effort, which will deliver hardware and software for initial testing and DT. Contract award estimated to occur in Feb 15 with delivery in Feb 16. Global Hawk's NRE effort will support DT and procurement of modification kits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS					Modification Number / Title: 470009 / ASIP Increment I			
Models of Systems Affected: RQ-4				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 2: Group A Install Kits (2)</i>													
A Kits													
Recurring													
Group A Install Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	15 / 1.662	- / -	15 / 1.662	- / -	- / -	- / -	- / -	- / -	15 / 1.662	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.662	- / -	- / 1.662	- / -	- / -	- / -	- / -	- / -	- / 1.662	
<i>Subtotal: Group A Install Kits (2)</i>	- / -	- / -	- / -	- / 1.662	- / -	- / 1.662	- / -	- / -	- / -	- / -	- / -	- / 1.662	
<i>Modification Item 2 of 2: Group B Equipment (2)</i>													
B Kits													
Recurring													
Group B Equipment:EQUIPMENT Group B (Active)	- / -	- / -	- / -	15 / 14.961	- / -	15 / 14.961	- / -	- / -	- / -	- / -	- / -	15 / 14.961	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 14.961	- / -	- / 14.961	- / -	- / -	- / -	- / -	- / -	- / 14.961	
<i>Subtotal: Group B Equipment (2)</i>	- / -	- / -	- / -	- / 14.961	- / -	- / 14.961	- / -	- / -	- / -	- / -	- / -	- / 14.961	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 16.623	- / -	- / 16.623	- / -	- / -	- / -	- / -	- / -	- / 16.623	
Support (All Modification Items)													
Mod of Spare													
Mod of Spare	- / -	- / -	- / -	12 / 13.300	- / -	12 / 13.300	- / -	- / -	- / -	- / -	- / -	12 / 13.300	
<i>Subtotal: Support</i>	- / -	- / -	- / -	12 / 13.300	- / -	12 / 13.300	- / -	- / -	- / -	- / -	- / -	12 / 13.300	
Installation													
<i>Modification Item 1 of 2: Group A Install Kits (2)</i>													
Group A Install Kits (2)	- / -	- / -	- / -	- / 0.578	- / -	- / 0.578	9 / -	6 / -	- / -	- / -	- / -	15 / 0.578	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / 0.578	- / -	- / 0.578	9 / -	6 / -	- / -	- / -	- / -	15 / 0.578	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	30.501	-	30.501	-	-	-	-	-	30.501	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS	Modification Number / Title: 470009 / ASIP Increment I

Modification Item 1 of 2: Group A Install Kits (2)

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Palmdale, California
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 14

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / 0.578	- / -	- / 0.578	9 / -	6 / -	- / -	- / -	- / -	15 / 0.578
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / 0.578	- / -	- / 0.578	9 / -	6 / -	- / -	- / -	- / -	15 / 0.578

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS	Modification Number / Title: 470009 / ASIP Increment I
---	--	--

Modification Item 2 of 2: Group B Equipment (2)

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Palmdale, California
-------------------------------------	---

Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 14
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 0
---	---------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS	Modification Number / Title: 470010 / SAR Complex Imagery
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	2.133	-	2.133	2.418	-	-	-	-	4.551
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	2.133	-	2.133	2.418	-	-	-	-	4.551
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	2.133	-	2.133	2.418	-	-	-	-	4.551

(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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Synthetic Aperture Radar (SAR) Complex Imagery incorporates SAR selectable Point Image Mode, for Detected and Complex Imagery into the Enhanced Integrated Sensor Suite (EISS). Software was developed and incorporated into fielded GH IFC 4.0.1.1. This modification will be implemented on all Block 20 and 30 aircraft and will include necessary revisions to the technical documentation. The major effort for this modification is updating the Phase Distortion Tables (PDT) of the Enhanced Receiver Exciter Controller (EREC) and flight testing. It is anticipated that four flights will be required to complete this effort.

The SAR Complex Imagery modification effort is a New Start in FY16.

Milestone/Development Status

DT is scheduled for Q2 FY15 through Q4 FY15. The PDT table updates and fielding of ERECs will occur as a rotatable pool with an estimated start date in Q1 FY16.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS				Modification Number / Title: 470010 / SAR Complex Imagery					
Models of Systems Affected: RQ-4			Modification Type: Capability Improvement					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1: Group B Install Kits</i>													
B Kits													
Recurring													
Group B Install Kits:EQUIPMENT Group B (Active)													
	-	-	-	20 / 0.214	-	20 / 0.214	22 / 0.242	-	-	-	-	42 / 0.456	
<i>Subtotal: Recurring</i>													
	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: Group B Install Kits</i>													
	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: Procurement, All Modification Items</i>													
	-	-	-	-	-	-	-	-	-	-	-	-	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING													
	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: Support</i>													
	-	-	-	-	-	-	-	-	-	-	-	-	
Installation													
<i>Modification Item 1 of 1: Group B Install Kits</i>													
	-	-	-	20 / 0.213	-	20 / 0.213	22 / 0.242	-	-	-	-	42 / 0.455	
<i>Subtotal: Installation</i>													
	-	-	-	20 / 0.213	-	20 / 0.213	22 / 0.242	-	-	-	-	42 / 0.455	
Total													
Total Cost (Procurement + Support + Installation)													
	-	-	-	2.133	-	2.133	2.418	-	-	-	-	4.551	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS	Modification Number / Title: 470010 / SAR Complex Imagery

Modification Item 1 of 1: Group B Install Kits

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Palmdale, California
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 1

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	20 / 0.213	- / -	20 / 0.213	- / -	- / -	- / -	- / -	- / -	20 / 0.213
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	22 / 0.242	- / -	- / -	- / -	- / -	22 / 0.242
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	20 / 0.213	- / -	20 / 0.213	22 / 0.242	- / -	- / -	- / -	- / -	42 / 0.455

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	5	5	5	5	5	5	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42
Out	0	-	-	-	-	-	-	-	-	5	5	5	5	5	5	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS					Modification Number / Title: 470014 / R&M Enhancements		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	4.841	-	4.841	5.052	5.264	2.255	6.744	185.213	209.369
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	4.841	-	4.841	5.052	5.264	2.255	6.744	185.213	209.369
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	4.841	-	4.841	5.052	5.264	2.255	6.744	185.213	209.369

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The purpose of this modification is to enable the incorporation of a package of reliability, maintainability & availability enhancements into the RQ-4 weapon system that will improve component Mean Time Between Failure (MTBF) and maintenance action requirements to drive down system sustainability cost over time. Current examples under this modification include but are not limited to: alternative paint removal, enhanced maintainer operating screens, alternate fuel qualification, improved LRU cooling and reduced vibration for critical connectors. These efforts address issues identified by the Joint Reliability and Maintainability Evaluation Team (JRMET) and CAT I deficiency reports. A total of 36 kits for existing air vehicles and 10 ground station kits will be procured.

Note: Under this effort the contractor will provide for the manufacture, installation, calibration, and acceptance test of reliability, maintainability & availability modifications on RQ-4 aircraft and ground based equipment.

Funding for R&M Enhancements had previously been captured in Mod 470001, GH Aircraft Mods. This is not a New Start for FY16.

Milestone/Development Status

The RQ-4 program will continue to develop, test and recommend reliability, maintainability, availability, sustainability and safety enhancements and solutions for incorporation in future RQ-4 weapon system RM&A modification packages in an effort to continually improve aircraft and payload availability and reduce lifecycle cost.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS					Modification Number / Title: 470014 / R&M Enhancements			
Models of Systems Affected: RQ-4				Modification Type: Reliability & Maintainability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 2: Grp A Install Kits (3)</i>													
A Kits													
Recurring													
Grp A Install Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	4 / 0.967	- / -	4 / 0.967	3 / 0.505	4 / 0.526	3 / 0.227	4 / 0.675	28 / 16.007	46 / 18.907	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.967	- / -	- / 0.967	- / 0.505	- / 0.526	- / 0.227	- / 0.675	- / 16.007	- / 18.907	
<i>Subtotal: Grp A Install Kits (3)</i>	- / -	- / -	- / -	- / 0.967	- / -	- / 0.967	- / 0.505	- / 0.526	- / 0.227	- / 0.675	- / 16.007	- / 18.907	
<i>Modification Item 2 of 2: Grp B Equipment (3)</i>													
B Kits													
Recurring													
Grp B Equipment:EQUIPMENT Group B (Active)	- / -	- / -	- / -	4 / 3.874	- / -	4 / 3.874	3 / 4.042	4 / 4.212	3 / 1.803	4 / 5.395	28 / 128.049	46 / 147.375	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 3.874	- / -	- / 3.874	- / 4.042	- / 4.212	- / 1.803	- / 5.395	- / 128.049	- / 147.375	
<i>Subtotal: Grp B Equipment (3)</i>	- / -	- / -	- / -	- / 3.874	- / -	- / 3.874	- / 4.042	- / 4.212	- / 1.803	- / 5.395	- / 128.049	- / 147.375	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 4.841	- / -	- / 4.841	- / 4.547	- / 4.738	- / 2.030	- / 6.070	- / 144.056	- / 166.282	
Installation													
<i>Modification Item 1 of 2: Grp A Install Kits (3)</i>													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.505	3 / 0.526	4 / 0.225	3 / 0.674	32 / 41.157	46 / 43.087	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	4.841	-	4.841	5.052	5.264	2.255	6.744	185.213	209.369	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS	Modification Number / Title: 470014 / R&M Enhancements

Modification Item 1 of 2: Grp A Install Kits (3)

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Palmdale, California
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.505	- / -	- / -	- / -	- / -	4 / 0.505
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.526	- / -	- / -	- / -	3 / 0.526
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.225	- / -	- / -	4 / 0.225
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.674	- / -	3 / 0.674
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.333	4 / 4.333
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 36.824	28 / 36.824
Total	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.505	3 / 0.526	4 / 0.225	3 / 0.674	32 / 41.157	46 / 43.087

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	2	1	-	-	2	2	-	-	2	1	-	-	32	46
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	2	1	-	-	2	2	-	-	2	1	-	-	32	46

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS	Modification Number / Title: 470014 / R&M Enhancements
---	--	--

Modification Item 2 of 2: Grp B Equipment (3)

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Palmdale, California
-------------------------------------	---

Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 0
---	---------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS						Modification Number / Title: 1 / LOW COST MODIFICATIONS			

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	2.000	-	2.000	2.000	2.000	2.000	2.000	18.200	28.200
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	2.000	-	2.000	2.000	2.000	2.000	2.000	18.200	28.200
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	2.000	-	2.000	2.000	2.000	2.000	2.000	18.200	28.200
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The RQ-4 fleet will be continually modified to maintain pace with the evolving threat and the increasing capabilities included in modernization efforts. Low cost modification efforts are anticipated and are necessary for continued operational support.

Funding for low cost modifications had previously been captured in Mod 470001, GH Aircraft Mods. This is not a New Start for FY16.

Milestone/Development Status

Low cost modifications will be required to improve capabilities to the RQ-4 fleet.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS					Modification Number / Title: 1 / LOW COST MODIFICATIONS			
Models of Systems Affected: RQ-4				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 2: Grp A Install Kits (7)</i>													
A Kits													
Recurring													
Grp A Install Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	1 / 0.200	- / -	1 / 0.200	1 / 0.200	1 / 0.200	1 / 0.200	1 / 0.200	9 / 1.800	14 / 2.800	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 1.800	- / 2.800	
<i>Subtotal: Grp A Install Kits (7)</i>	- / -	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 1.800	- / 2.800	
<i>Modification Item 2 of 2: Grp B Equipment (7)</i>													
B Kits													
Recurring													
Grp B Equipment:EQUIPMENT Group B (Active)	- / -	- / -	- / -	1 / 1.800	- / -	1 / 1.800	1 / 1.600	1 / 1.600	1 / 1.600	1 / 1.600	9 / 14.400	14 / 22.600	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.800	- / -	- / 1.800	- / 1.600	- / 1.600	- / 1.600	- / 1.600	- / 14.400	- / 22.600	
<i>Subtotal: Grp B Equipment (7)</i>	- / -	- / -	- / -	- / 1.800	- / -	- / 1.800	- / 1.600	- / 1.600	- / 1.600	- / 1.600	- / 14.400	- / 22.600	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 2.000	- / -	- / 2.000	- / 1.800	- / 1.800	- / 1.800	- / 1.800	- / 16.200	- / 25.400	
Installation													
<i>Modification Item 1 of 2: Grp A Install Kits (7)</i>													
	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.200	1 / 0.200	1 / 0.200	1 / 0.200	10 / 2.000	14 / 2.800	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.200	1 / 0.200	1 / 0.200	1 / 0.200	10 / 2.000	14 / 2.800	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	2.000	-	2.000	2.000	2.000	2.000	2.000	18.200	28.200	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS	Modification Number / Title: 1 / LOW COST MODIFICATIONS

Modification Item 1 of 2: Grp A Install Kits (7)

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Palmdale, California
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.200	- / -	- / -	- / -	- / -	1 / 0.200
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.200	- / -	- / -	- / -	1 / 0.200
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.200	- / -	- / -	1 / 0.200
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.200	- / -	1 / 0.200
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.200	1 / 0.200
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.800	9 / 1.800
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.200	1 / 0.200	1 / 0.200	1 / 0.200	10 / 2.000	14 / 2.800

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1	-	-	-	1	-	10	14
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1	-	-	-	1	-	10	14

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HAWK00 / RQ-4 MODS	Modification Number / Title: 1 / LOW COST MODIFICATIONS
---	--	---

Modification Item 2 of 2: Grp B Equipment (7)

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Palmdale, California
-------------------------------------	---

Administrative Leadtime (<i>in Months</i>): 1	Production Leadtime (<i>in Months</i>): 12
---	--

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 0
---	---------------------------------

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
HCMC00 / HC/MC-130 Modifications

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F **Other Related Program Elements:** 0207224F, 0401134F

Line Item MDAP/MAIS Code: 257 **Item MDAP/MAIS Code(s):**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	65.319	16.300	43.202	21.660	5.690	27.350	6.923	4.698	36.024	4.205	431.500	635.521
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	65.319	16.300	43.202	21.660	5.690	27.350	6.923	4.698	36.024	4.205	431.500	635.521
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	65.319	16.300	43.202	21.660	5.690	27.350	6.923	4.698	36.024	4.205	431.500	635.521

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

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

Description:

HC/MC-130 Recapitalization will replace and augment the aging USAF fleets of combat rescue HC-130P/N and special operations MC-130E/P aircraft which are experiencing airworthiness, maintainability and operational limitations. This program provides a common baseline configuration aircraft.

The modifications budgeted in FY16 will improve the reliability, maintainability, safety, and mission performance, reduce logistics costs, and implement fleet upgrades and enhancements to meet emerging requirements for the HC/MC-130J aircraft and associated training systems.

Funding for this exhibit is contained in PE 0207224F (HC-130J) and PE 0207230F (MC-130J).

FY16 request for MC-130J Increment 2, Mod 8632, was reduced \$1.591M for underexecution.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
HCMC00 / HC/MC-130 Modifications

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F **Other Related Program Elements:** 0207224F, 0401134F

Line Item MDAP/MAIS Code: 257 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / HC/MC-130J Block 8.1 (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
2 / LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM) (Capability Improvement)	P-40a***		- / 34.000	- / -	- / -	- / -	- / -	- / -
3 / HC-130J Personnel Locator System (Capability Improvement)	P-40a***		- / 4.700	- / -	- / 6.100	- / -	- / -	- / -
4 / HC-130J Situational Awareness (Capability Improvement)	P-40a***		- / -	- / -	- / 12.500	- / -	- / -	- / -
5 / HC-130J Special Airborne Mission Installation Response (SABIR) (Capability Improvement)	P-40a***		- / -	- / -	- / 22.700	- / -	- / -	- / -
6 / HC-130J Wireless Intercom (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 1.660	- / 1.660
7 / LOW COST MODIFICATIONS (Safety)	P-40a***		- / 6.245	- / -	- / 1.902	- / 1.960	- / -	- / 1.960
8632 / MC-130J Increment 2 (Capability Improvement)	P-3a		- / -	- / 8.000	- / -	- / 9.192	- / -	- / 9.192
8634 / HC-130J Common Configuration (Capability Improvement)	P-3a		- / 20.374	- / 8.300	- / -	- / 10.508	- / -	- / 10.508
8638 / HC-130J Variable Speed Drogue (Capability Improvement)	P-3a		- / -	- / -	- / -	- / -	- / 4.030	- / 4.030
Total Gross/Weapon System Cost			- / 65.319	- / 16.300	- / 43.202	- / 21.660	- / 5.690	- / 27.350

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / HC/MC-130J Block 8.1 (Capability Improvement)	P-40a***		- / -	- / -	- / 32.209	- / -	- / 431.500	- / 463.709
2 / LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 34.000
3 / HC-130J Personnel Locator System (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 10.800
4 / HC-130J Situational Awareness (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 12.500
5 / HC-130J Special Airborne Mission Installation Response (SABIR) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 22.700
6 / HC-130J Wireless Intercom (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.660
7 / LOW COST MODIFICATIONS (Safety)	P-40a***		- / 1.987	- / 1.993	- / 1.635	- / 0.452	- / -	- / 16.174
8632 / MC-130J Increment 2 (Capability Improvement)	P-3a		- / 2.897	- / 0.596	- / -	- / -	- / -	- / 20.685
8634 / HC-130J Common Configuration (Capability Improvement)	P-3a		- / 2.039	- / 2.109	- / 2.180	- / 3.753	- / -	- / 49.263
8638 / HC-130J Variable Speed Drogue (Capability Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 4.030
Total Gross/Weapon System Cost			- / 6.923	- / 4.698	- / 36.024	- / 4.205	- / 431.500	- / 635.521

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207224F	Other Related Program Elements: 0207224F, 0401134F
Line Item MDAP/MAIS Code: 257	Item MDAP/MAIS Code(s):	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications				Modification Number / Title: 8632 / MC-130J Increment 2				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	8.000	-	9.192	-	9.192	2.897	0.596	-	-	-	20.685
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	8.000	-	9.192	-	9.192	2.897	0.596	-	-	-	20.685
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	8.000	-	9.192	-	9.192	2.897	0.596	-	-	-	20.685
<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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The MC-130J Increment 2 modification brings ten MC-130J Increment 1 aircraft up to the baseline Increment 2 configuration. Current funding allows for five of the ten aircraft modifications, and funding for the remaining five aircraft are being requested in the FY17 POM. Increment 2 adds LAIRCM Group A provisions, crashworthy loadmaster seats, and increased electrical power. It also modifies MC-130J training systems from Increment 1 to Increment 2. This ensures total fleet commonality and avoids many DMS issues. MC-130J Increment 2 is an FY14 New Start. Related is the HC-130J Common Configuration Mod (Mod 8634) which brings 2 HC-130Js from Increment 0 to Increment 2. This mod was an FY13 New Start. Note: Milestone dates are for kit delivery and installation schedule dates are for installation on aircraft.

Milestone/Development Status

Increment 2 development is complete. The first Increment 2 aircraft produced was delivered off of the production line in the first quarter of FY13.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications					Modification Number / Title: 8632 / MC-130J Increment 2			
Models of Systems Affected: MC-130J				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> Inc 1-2													
A Kits													
Recurring													
Inc 1-2:INSTALL KITS Group A (Active)	- / -	1 / 1.450	- / -	4 / 4.961	- / -	4 / 4.961	- / -	- / -	- / -	- / -	- / -	5 / 6.411	
<i>Subtotal: Recurring</i>	- / -	- / 1.450	- / -	- / 4.961	- / -	- / 4.961	- / -	- / -	- / -	- / -	- / -	- / 6.411	
<i>Subtotal: Inc 1-2</i>	- / -	- / 1.450	- / -	- / 4.961	- / -	- / 4.961	- / -	- / -	- / -	- / -	- / -	- / 6.411	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 1.450	- / -	- / 4.961	- / -	- / 4.961	- / -	- / -	- / -	- / -	- / -	- / 6.411	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / -	- / 3.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.900	
SIM/TRAINER	- / -	- / 2.650	- / -	- / 0.550	- / -	- / 0.550	- / 0.265	- / 0.596	- / -	- / -	- / -	- / 4.061	
<i>Subtotal: Support</i>	- / -	- / 6.550	- / -	- / 0.550	- / -	- / 0.550	- / 0.265	- / 0.596	- / -	- / -	- / -	- / 7.961	
Installation													
<i>Modification Item 1 of 1:</i> Inc 1-2	- / -	- / -	- / -	3 / 3.681	- / -	3 / 3.681	2 / 2.632	- / -	- / -	- / -	- / -	5 / 6.313	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	3 / 3.681	- / -	3 / 3.681	2 / 2.632	- / -	- / -	- / -	- / -	5 / 6.313	
Total													
Total Cost (Procurement + Support + Installation)	-	8.000	-	9.192	-	9.192	2.897	0.596	-	-	-	20.685	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8632 / MC-130J Increment 2

Modification Item 1 of 1: Inc 1-2

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Marietta GA
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 1

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	1 / 1.227	- / -	1 / 1.227	- / -	- / -	- / -	- / -	- / -	1 / 1.227
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	2 / 2.454	- / -	2 / 2.454	2 / 2.632	- / -	- / -	- / -	- / -	4 / 5.086
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	3 / 3.681	- / -	3 / 3.681	2 / 2.632	- / -	- / -	- / -	- / -	5 / 6.313

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	0	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications				Modification Number / Title: 8634 / HC-130J Common Configuration				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	20.374	8.300	-	10.508	-	10.508	2.039	2.109	2.180	3.753	-	49.263
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	20.374	8.300	-	10.508	-	10.508	2.039	2.109	2.180	3.753	-	49.263
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	20.374	8.300	-	10.508	-	10.508	2.039	2.109	2.180	3.753	-	49.263
<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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The HC-130J Common Configuration/Block Upgrade modification (mod) brings the first two HC-130J Increment 0 aircraft up to the baseline Increment 2 configuration. Increment 2 includes but is not limited to adding LAIRCM Group A provisions, crashworthy loadmaster seats, and increased electrical power. The program also brings HC-130J training systems to the Increment 2 configuration. This ensures total fleet commonality and avoids many Diminishing Manufacturing Sources issues. It also provides for the installation of specific combat search and rescue and enhanced situational awareness modifications to HC-130J aircraft. This HC-130J mod is related to the MC-130J Increment 2 Mod (Mod #8632) which brings 10 MC-130Js from the Increment 1 to the Increment 2 configuration.

Milestone/Development Status

Increment 2 development completed in 2012.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications					Modification Number / Title: 8634 / HC-130J Common Configuration			
Models of Systems Affected: HC-130J				Modification Type: Capability Improvement				Related RDT&E PEs: 0207224F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> Inc 0-2 Common Configuration													
A Kits													
Recurring													
Inc 0-2 Common Configuration:INSTALL KITS Group A (Active)	2 / 4.991	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.991	
<i>Subtotal: Recurring</i>	- / 4.991	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.991	
<i>Subtotal: Inc 0-2 Common Configuration</i>	- / 4.991	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.991	
<i>Subtotal: Procurement, All Modification Items</i>	- / 4.991	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.991	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / 14.633	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.633	
SIM/TRAINER	0 / 0.750	- / 0.935	- / -	- / 0.958	- / -	- / 0.958	- / 0.375	- / 0.288	- / 0.298	- / 0.576	- / -	- / 4.180	
SUPPORT-EQUIP	- / -	- / 0.500	- / -	- / 0.399	- / -	- / 0.399	- / 0.050	- / 0.125	- / 0.237	- / -	- / -	- / 1.311	
GFP	- / -	- / 0.875	- / -	- / 3.064	- / -	- / 3.064	- / 1.614	- / 1.696	- / 1.645	- / 3.177	- / -	- / 12.071	
<i>Subtotal: Support</i>	0 / 15.383	- / 2.310	- / -	- / 4.421	- / -	- / 4.421	- / 2.039	- / 2.109	- / 2.180	- / 3.753	- / -	- / 32.195	
Installation													
<i>Modification Item 1 of 1:</i> Inc 0-2 Common Configuration	- / -	- / 5.990	- / -	1 / 6.087	- / -	1 / 6.087	1 / -	- / -	- / -	- / -	- / -	2 / 12.077	
<i>Subtotal: Installation</i>	- / -	- / 5.990	- / -	1 / 6.087	- / -	1 / 6.087	1 / -	- / -	- / -	- / -	- / -	2 / 12.077	
Total													
Total Cost (Procurement + Support + Installation)	20.374	8.300	-	10.508	-	10.508	2.039	2.109	2.180	3.753	-	49.263	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8634 / HC-130J Common Configuration

Modification Item 1 of 1: Inc 0-2 Common Configuration

Manufacturer Information

Manufacturer Name: Lockheed Martin Aero	Manufacturer Location: Marietta Ga
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 14

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / 5.990	- / -	1 / 6.087	- / -	1 / 6.087	1 / 0.000	- / -	- / -	- / -	- / -	2 / 12.077
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / 5.990	- / -	1 / 6.087	- / -	1 / 6.087	1 / -	- / -	- / -	- / -	- / -	2 / 12.077

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8638 / HC-130J Variable Speed Drogue
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	-	4.030	4.030	-	-	-	-	-	4.030
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	-	4.030	4.030	-	-	-	-	-	4.030
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	-	4.030	4.030	-	-	-	-	-	4.030
<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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Equips 16 HC-130J aircraft with ability to refuel both high or low speed aircraft without landing to change drogues. A Variable Speed Drogue (VSD) solution would enable the HC-130J to refuel high and low speed MDSs without having to change or swap out drogues or drive a single point of failure. DoD drogue equipped refueling platforms are moving to the VSD, for increased combat capability and reduces diminishing manufacturer source issues. Includes kits, training, tech data, spares, program support equipment and other government costs. This is a FY16 New Start.

Milestone/Development Status

N/A

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications					Modification Number / Title: 8638 / HC-130J Variable Speed Drogue		
Models of Systems Affected: HC-130J				Modification Type: Capability Improvement				Related RDT&E PEs: 0207224F				
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1: Variable Speed Drogue (VSD)</i>												
B Kits												
Recurring												
Variable Speed Drogue (VSD):EQUIPMENT Group B (Active)	- / -	- / -	- / -	- / -	16 / 2.800	16 / 2.800	- / -	- / -	- / -	- / -	- / -	16 / 2.800
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / 2.800	- / 2.800	- / -	- / -	- / -	- / -	- / -	- / 2.800
<i>Subtotal: Variable Speed Drogue (VSD)</i>	- / -	- / -	- / -	- / -	- / 2.800	- / 2.800	- / -	- / -	- / -	- / -	- / -	- / 2.800
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / -	- / 2.800	- / 2.800	- / -	- / -	- / -	- / -	- / -	- / 2.800
Support (All Modification Items)												
RSP and Spares	- / -	- / -	- / -	- / -	7 / 1.230	7 / 1.230	- / -	- / -	- / -	- / -	- / -	7 / 1.230
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / -	7 / 1.230	7 / 1.230	- / -	- / -	- / -	- / -	- / -	7 / 1.230
Installation												
<i>Modification Item 1 of 1: Variable Speed Drogue (VSD)</i>	- / -	- / -	- / -	- / -	- / -	- / -	12 / -	4 / -	- / -	- / -	- / -	16 / -
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	12 / -	4 / -	- / -	- / -	- / -	16 / -
Total												
Total Cost (Procurement + Support + Installation)	-	-	-	-	4.030	4.030	-	-	-	-	-	4.030

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8638 / HC-130J Variable Speed Drogue

Modification Item 1 of 1: Variable Speed Drogue (VSD)

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Marietta, GA
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 1

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	12 / -	4 / -	- / -	- / -	- / -	16 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	12 / -	4 / -	- / -	- / -	- / -	16 / -

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	16

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: OTHACF / Other Aircraft
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207249F, 0207448F, 0207701F, 0303001F, 0303601F, 0401897F	Other Related Program Elements: 0207161F, 0207249F, 0207448F, 0207701F, 0303601F, 0401897F, 0604281F, 0702207F
---	--	---

Line Item MDAP/MAIS Code: 199	Item MDAP/MAIS Code(s):
--------------------------------------	--------------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	257.809	21.148	89.096	117.767	-	117.767	6.175	4.240	4.294	4.367	-	504.896
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	257.809	21.148	89.096	117.767	-	117.767	6.175	4.240	4.294	4.367	-	504.896
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	257.809	21.148	89.096	117.767	-	117.767	6.175	4.240	4.294	4.367	-	504.896

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

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

Description:

This line item funds multiple modifications that apply to weapon systems funded at less than \$2 million per year as well as weapon systems with much greater budgets. The overall goal of the modifications budgeted is to enhance capability and improve reliability and maintainability. A major modification upgrades Advanced Technology Pods (Precision Attack Systems) in FY16.

The HH-60U modification program is a new start for FY2016.

The FY2016 funding request was reduced by \$4.965 million to account for the availability of prior execution balances.

In FY16 FAB-T was transferred from PE: 0303601F to PE: 0303001F.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	21.148	89.096	117.767	-	117.767	6.175	4.240	4.294	4.367
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	21.148	89.096	117.767	-	117.767	6.175	4.240	4.294	4.367

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
OTHACF / Other Aircraft

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207249F, 0207448F, 0207701F, 0303001F, 0303601F, 0401897F **Other Related Program Elements:** 0207161F, 0207249F, 0207448F, 0207701F, 0303601F, 0401897F, 0604281F, 0702207F

Line Item MDAP/MAIS Code: 199 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / COMBAT AIR FORCES RESCUE MSN TRNG (No text provided.)	P-40a***		- / 5.039	- / -	- / -	- / -	- / -	- / -
2 / ANG RC-26 (No text provided.)	P-40a***		- / 0.267	- / -	- / -	- / -	- / -	- / -
3 / EHF SATCOM (Capability Improvement)	P-40a***		- / 13.582	- / 1.920	- / 21.784	- / 0.001	- / -	- / 0.001
4 / Full Combat Mission Training (Capability Improvement)	P-40a***		- / 56.632	- / 0.602	- / 2.751	- / 2.459	- / -	- / 2.459
5 / MAF Training (Capability Improvement)	P-40a***		- / 21.546	- / -	- / 1.837	- / -	- / -	- / -
6 / Sniper CMDL Backback Kits and Datalogger Purchase (Other)	P-40a***		- / 7.807	- / -	- / -	- / -	- / -	- / -
7 / ATP upgrade Legacy to SE (Other)	P-40a***		- / 16.709	- / 15.198	- / 56.092	- / 1.033	- / -	- / 1.033
8 / MH-53 IFF APX-118 (No text provided.)	P-40a***		- / 0.291	- / -	- / -	- / -	- / -	- / -
9 / DEPOT MAINTENANCE (NON-IF) (Capability Improvement)	P-40a***		- / 1.249	- / -	- / -	- / -	- / -	- / -
10 / Theatre Airborne Reconnaissance System (TARS) (Capability Improvement)	P-40a***		- / 8.423	- / -	- / -	- / -	- / -	- / -
11 / Battlefield ABN Comm Node (BACN) (Other)	P-40a***		- / -	- / -	- / 1.990	- / -	- / -	- / -
12 / JOINT TACTICAL RADIO SYSTEM (Capability Improvement)	P-40a***		- / 83.346	- / 3.290	- / 4.502	- / -	- / -	- / -
13 / LOW COST SAFETY MODIFICATIONS (No text provided.)	P-40a***		- / 0.002	- / -	- / -	- / -	- / -	- / -
14 / LOW COST MODIFICATIONS - TARGETING PODS (Other)	P-40a***		- / 0.003	- / -	- / -	- / -	- / -	- / -
15 / MISCELLANEOUS LOW COSTS MODS (OTHER) (Other)	P-40a***		- / 1.981	- / 0.138	- / 0.140	- / 0.128	- / -	- / 0.128
16 / LOW COST RETROFIT MODS (No text provided.)	P-40a***		- / 0.779	- / -	- / -	- / -	- / -	- / -
17 / LOW COST MODIFICATIONS (No text provided.)	P-40a***		- / 0.002	- / -	- / -	- / -	- / -	- / -
18 / COMMON MISSILE WARNING SYSTEM (No text provided.)	P-40a***		- / 0.755	- / -	- / -	- / -	- / -	- / -
19 / HH-60U (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / 1.900	- / -	- / 1.900
20 / UHF SATCOM UPGRADE (Capability Improvement)	P-40a***		- / 39.396	- / -	- / -	- / -	- / -	- / -
3472 / C2ISR TDL (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 2.246	- / -	- / 2.246
8675 / ATP-SE Technology Insertion (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 110.000	- / -	- / 110.000
Total Gross/Weapon System Cost			- / 257.809	- / 21.148	- / 89.096	- / 117.767	- / -	- / 117.767

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / COMBAT AIR FORCES RESCUE MSN TRNG (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 5.039
2 / ANG RC-26 (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.267
3 / EHF SATCOM (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 37.287
4 / Full Combat Mission Training (Capability Improvement)	P-40a***		- / 1.884	- / 1.922	- / 1.957	- / 1.990	- / -	- / 70.197
5 / MAF Training (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 23.383
6 / Sniper CMDL Backback Kits and Datalogger Purchase (Other)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 7.807
7 / ATP upgrade Legacy to SE (Other)	P-40a***		- / 0.913	- / 0.931	- / 0.948	- / 0.964	- / -	- / 92.788

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
OTHACF / Other Aircraft

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207249F, 0207448F, 0207701F, 0303001F, 0303601F, 0401897F **Other Related Program Elements:** 0207161F, 0207249F, 0207448F, 0207701F, 0303601F, 0401897F, 0604281F, 0702207F

Line Item MDAP/MAIS Code: 199 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
8 / MH-53 IFF APX-118 (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.291
9 / DEPOT MAINTENANCE (NON-IF) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.249
10 / Theatre Airborne Reconnaissance System (TARS) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 8.423
11 / Battlefield ABN Comm Node (BACN) (Other)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.990
12 / JOINT TACTICAL RADIO SYSTEM (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 91.138
13 / LOW COST SAFETY MODIFICATIONS (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.002
14 / LOW COST MODIFICATIONS - TARGETING PODS (Other)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.003
15 / MISCELLANEOUS LOW COSTS MODS (OTHER) (Other)	P-40a***		- / 0.153	- / 0.154	- / 0.150	- / 0.153	- / -	- / 2.997
16 / LOW COST RETROFIT MODS (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.779
17 / LOW COST MODIFICATIONS (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.002
18 / COMMON MISSILE WARNING SYSTEM (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 0.755
19 / HH-60U (Capability Improvement)	P-40a***		- / 1.900	- / -	- / -	- / -	- / -	- / 3.800
20 / UHF SATCOM UPGRADE (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 39.396
3472 / C2ISR TDL (Capability Improvement)	P-3a		- / 1.325	- / 1.233	- / 1.239	- / 1.260	- / -	- / 7.303
8675 / ATP-SE Technology Insertion (Capability Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 110.000
Total Gross/Weapon System Cost			- / 6.175	- / 4.240	- / 4.294	- / 4.367	- / -	- / 504.896

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: OTHACF / Other Aircraft						Modification Number / Title: 3472 / C2ISR TDL		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	2.246	-	2.246	1.325	1.233	1.239	1.260	-	7.303
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	2.246	-	2.246	1.325	1.233	1.239	1.260	-	7.303
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	2.246	-	2.246	1.325	1.233	1.239	1.260	-	7.303

(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 Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

ASD/C3I directed implementation of the DoD Cryptographic Modernization Initiative (CMI) on 23 February 2001. CJCS Notice 6510/NSA 3-9 direct the modernization of all cryptography in military systems in the US, NATO and Coalition nations. To prevent information compromise, the National Security Agency (NSA) mandate requires Link 16 cryptographic systems be upgraded. The Chairman, Joint Chiefs of Staff directed a modernization effort at the recommendation of the NSA to modernize equipment and provide enhanced security for Link 16 tactical networks (Cryptographic Modernization Initiative (CM)). Likewise, a radio frequency spectrum memorandum of agreement between the DoD and the Department of Transportation mandate the internal frequency remapping of our Link 16 family of terminals to avoid conflict with next generation Federal Aviation Administration radio aids to navigation. These two mandates, among other operational reliability and capability improvements will be satisfied under a Block Upgrade (BU2) effort planned for the Link 16 Multifunctional Information Distribution System (MIDS) Low Volume Terminal (LVT). BU2 will procure new Signal Message Processor (SMP) cards that incorporate the most current NSA-mandated cryptographic standards. BU2 will also procure a new Tailored Processor/Ground Multiplexer card, update software and firmware in the MIDS LVT to improve operational reliability and provide the radio the ability to remap the lower frequency range of the terminal. The new cards will be installed in all terminals and spare cards will also be purchased.

In FY16, this is a New Start.

Milestone/Development Status

Crypto mod kit being developed by the Navy as part of MIDS LVT Block Upgrade 2.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	2.246	-	2.246	1.325	1.233	1.239	1.260
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	2.246	-	2.246	1.325	1.233	1.239	1.260

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 **P-1 Line Item Number / Title:** OTHACF / Other Aircraft **Modification Number / Title:** 3472 / C2ISR TDL

Models of Systems Affected: E-3, E-8C, RC-135, AOC **Modification Type:** Capability Improvement **Related RDT&E PEs:** 0207448F

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1:</i> Retrofit Kit for LVT 2 & 11												
A Kits												
Recurring												
Retrofit Kit for LVT 2 & 11:INSTALL KITS Group A (Active)	- / -	- / -	- / -	41 / 2.246	- / -	41 / 2.246	24 / 1.325	22 / 1.233	56 / 1.239	- / 1.260	- / -	143 / 7.303
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 2.246	- / -	- / 2.246	- / 1.325	- / 1.233	- / 1.239	- / 1.260	- / -	- / 7.303
<i>Subtotal: Retrofit Kit for LVT 2 & 11</i>	- / -	- / -	- / -	- / 2.246	- / -	- / 2.246	- / 1.325	- / 1.233	- / 1.239	- / 1.260	- / -	- / 7.303
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 2.246	- / -	- / 2.246	- / 1.325	- / 1.233	- / 1.239	- / 1.260	- / -	- / 7.303
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	-	-	-	2.246	-	2.246	1.325	1.233	1.239	1.260	-	7.303

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: OTHACF / Other Aircraft	Modification Number / Title: 3472 / C2ISR TDL
---	---	---

Modification Item 1 of 1: Retrofit Kit for LVT 2 & 11

Manufacturer Information

Manufacturer Name: Datalink Solutions (DLS)	Manufacturer Location: Wayne, NJ
---	----------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 201
---	-----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: OTHACF / Other Aircraft				Modification Number / Title: 8675 / ATP-SE Technology Insertion				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	110.000	-	110.000	-	-	-	-	-	110.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	110.000	-	110.000	-	-	-	-	-	110.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	110.000	-	110.000	-	-	-	-	-	110.000

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

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

Description:

This effort improves the critical capability of Combat Identification (CID) by adding the radio-based CID (RBCI) technology. The LITENING and Sniper Post Production Support (PPS) contracts will address requirements centered on hardware and software upgrades (OFPs) and associated host platform integration (to include necessary test), modification of spares, correction of service life deficiencies, technical orders, repair data, studies and support of organic depot repair requirements. Modification of legacy pods to ATP-SE standards may be necessary for modifications. In addition, this requirement also provides for program management support. Quantities will vary based on negotiated prices. This effort is a new start in FY15. \$55M is intended to purchase replacement targeting pods.

Milestone/Development Status

Upgrades will incorporate capabilities developed by industry and through the SE contract.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	110.000	-	110.000	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	110.000	-	110.000	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 **P-1 Line Item Number / Title:** OTHACF / Other Aircraft **Modification Number / Title:** 8675 / ATP-SE Technology Insertion

Models of Systems Affected: Sniper ATP-SE, Litening ATP-SE **Modification Type:** Capability Improvement **Related RDT&E PEs:** 0207249F

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1: RBCI</i>												
A Kits												
Recurring												
RBCI:INSTALL KITS Group A (Active)	- / -	- / -	- / -	110 / 110.000	- / -	110 / 110.000	- / -	- / -	- / -	- / -	- / -	110 / 110.000
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 110.000	- / -	- / 110.000	- / -	- / -	- / -	- / -	- / -	- / 110.000
<i>Subtotal: RBCI</i>	- / -	- / -	- / -	- / 110.000	- / -	- / 110.000	- / -	- / -	- / -	- / -	- / -	- / 110.000
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 110.000	- / -	- / 110.000	- / -	- / -	- / -	- / -	- / -	- / 110.000
Support (All Modification Items)												
GROUP A: TOTAL NONRECURRING												
PMA - Contractor Services	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
PMA - Other Gov't Costs	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	-	-	-	110.000	-	110.000	-	-	-	-	-	110.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: OTHACF / Other Aircraft	Modification Number / Title: 8675 / ATP-SE Technology Insertion
---	---	---

Modification Item 1 of 1: RBCI

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Rolling Meadows, IL
-------------------------------------	--

Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 0
---	---------------------------------

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
PRDT01 / MQ-1 Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0305219F

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	461.610	6.526	4.755	3.173	-	3.173	-	-	-	-	-	476.064
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	461.610	6.526	4.755	3.173	-	3.173	-	-	-	-	-	476.064
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	461.610	6.526	4.755	3.173	-	3.173	-	-	-	-	-	476.064

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

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

Description:

MQ-1 Predator is an autonomous, long-dwell, unmanned reconnaissance system capable of operating over the horizon while providing real-time intelligence information to the Joint Task Force Commander. The air vehicle carries Electro-Optical (EO) and Infra-Red (IR) sensors, and is capable of transmitting near real-time Full Motion Video (FMV) to the task force commander and throughout the operational theater. There are currently 138 aircraft in the inventory; service life has been extended to at least 20,000 hours based on non-destructive inspection of high-time aircraft, but average service life remaining is yet to be determined.

Funding for this exhibit contained in PE 0305219F.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
PRDT01 / MQ-1 Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0305219F

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Aircraft PPDL (Reliability & Maintainability)	P-40a***		- / 24.708	- / -	- / -	- / -	- / -	- / -
2 / Differential GPS (Capability Improvement)	P-40a***		- / 4.701	- / -	- / -	- / -	- / -	- / -
3 / Digital Video (Capability Improvement)	P-40a***		- / 20.834	- / -	- / -	- / -	- / -	- / -
4 / VORTEX (Capability Improvement)	P-40a***		- / 31.305	- / -	- / -	- / -	- / -	- / -
5 / GCS PPDL (Capability Improvement)	P-40a***		- / 106.948	- / -	- / -	- / -	- / -	- / -
6 / GCS Modernization (Capability Improvement)	P-40a***		- / 36.362	- / -	- / -	- / -	- / -	- / -
7 / IP Migration (Capability Improvement)	P-40a***		- / 30.459	- / 1.954	- / 0.702	- / -	- / -	- / -
8 / LOW COST MODIFICATIONS (Reliability & Maintainability)	P-40a***		- / 1.167	- / -	- / 2.000	- / 2.000	- / -	- / 2.000
9 / PREDATOR A/B MODIFICATIONS (Capability Improvement)	P-40a***		- / 205.126	- / 4.572	- / 2.053	- / 1.173	- / -	- / 1.173
Total Gross/Weapon System Cost			- / 461.610	- / 6.526	- / 4.755	- / 3.173	- / -	- / 3.173

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Aircraft PPDL (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 24.708
2 / Differential GPS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 4.701
3 / Digital Video (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 20.834
4 / VORTEX (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 31.305
5 / GCS PPDL (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 106.948
6 / GCS Modernization (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 36.362
7 / IP Migration (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 33.115
8 / LOW COST MODIFICATIONS (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 1.167
9 / PREDATOR A/B MODIFICATIONS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 212.924
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / -	- / -	- / 476.064

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: RQ4GCM / RQ-4 GSRA/CSRA Mods
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0305220F	Other Related Program Elements:
--	---	---------------------------------

Line Item MDAP/MAIS Code: 252	Item MDAP/MAIS Code(s):
-------------------------------	-------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	23.668	-	-	-	-	-	-	-	-	-	23.668
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	23.668	-	-	-	-	-	-	-	-	-	23.668
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	23.668	-	-	-	-	-	-	-	-	-	23.668

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

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

Description:

Mod 470006 includes Ground Segment and Communications System Diminishing Manufacturing Sources (DMS)/obsolescence mitigation.

The RQ-4 System provides high altitude, deep look, long endurance intelligence, surveillance, and reconnaissance (ISR) capability that complements space and other airborne collectors during peacetime, crisis, and war-fighting scenarios.

The RQ-4 program will incorporate applicable synergies with other platforms, including the U.S. Navy's Triton, and other remotely piloted aircraft (RPA) weapon systems.

The RQ-4 System will be continually modified to maintain pace with evolving threats and increasing capabilities included in modernization efforts. These planned modifications include aircraft, ground station and support retrofits to incorporate new capabilities or meet mandated equipment standards.

Ground Station Modernization (GSM) was initiated to resolve significant obsolescence issues in the ground station in order to support a 20 year planned operational lifecycle for the Block 20/30/40 fleet. The FY13 PB proposed divestiture of the Block 30s and ACC resolved to divest the Block 20 Battlefield Airborne Communications Node (BACN) aircraft within the FYDP leaving only the Block 40s. As a result of the reduced ground station requirements, the GSTR effort was halted in favor of a DMS-only approach that leveraged the equipment from Block 30 ground stations planned for divestiture. As a result of the reinstatement of the Block 30s in the FY15 PB, the operational need for ground stations increases making a DMS-only strategy unfeasible; GSTR is planned for implementation in FY20 and beyond.

No funding requested in FY16.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
RQ4GCM / RQ-4 GSRA/CSRA Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0305220F **Other Related Program Elements:**

Line Item MDAP/MAIS Code: 252 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / RQ-4 GSRA/CSRA Mods (Capability Improvement)	P-40a***		- / -	- / 23.668	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / 23.668	- / -	- / -	- / -	- / -

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / RQ-4 GSRA/CSRA Mods (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 23.668
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / -	- / -	- / 23.668

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
V02200 / CV-22 MODS

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401318F **Other Related Program Elements:** 0401318F

Line Item MDAP/MAIS Code: 212 **Item MDAP/MAIS Code(s):**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	125.290	19.555	74.874	58.828	-	58.828	63.960	66.420	69.400	71.367	138.289	687.983
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	125.290	19.555	74.874	58.828	-	58.828	63.960	66.420	69.400	71.367	138.289	687.983
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	125.290	19.555	74.874	58.828	-	58.828	63.960	66.420	69.400	71.367	138.289	687.983

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

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

Description:

Funding for this exhibit is contained in PE 0401318F.

The CV-22 is a Special Operations Forces (SOF) variant of the the V-22 tiltrotor multi-mission aircraft. The CV-22 provides long range, high speed, critical capability to insert, extract, and resupply special operations forces into politically or militarily denied areas, not currently provided by any other existing aircraft. The designed service life is 10,000 flying hours over 30 years. The CV-22 is part of the V-22 Joint Program. The Navy is the lead service.

The primary modification budgeted in FY16 is the Block C/20 Upgrade.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
V02200 / CV-22 MODS

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401318F **Other Related Program Elements:** 0401318F

Line Item MDAP/MAIS Code: 212 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / BLOCK B UPGRADE (Capability Improvement)	P-40a***		- / 73.884	- / 0.162	- / -	- / -	- / -	- / -
2 / LOW COST MODIFICATIONS (Other)	P-40a***		- / 11.840	- / 0.175	- / 1.999	- / 1.999	- / -	- / 1.999
8790 / Block 20 Upgrade (Capability Improvement)	P-3a		- / 39.566	- / 19.218	- / 72.875	- / 56.829	- / -	- / 56.829
Total Gross/Weapon System Cost			- / 125.290	- / 19.555	- / 74.874	- / 58.828	- / -	- / 58.828

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / BLOCK B UPGRADE (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 74.046
2 / LOW COST MODIFICATIONS (Other)	P-40a***		- / 1.999	- / 1.999	- / 1.999	- / 1.999	- / 5.997	- / 30.006
8790 / Block 20 Upgrade (Capability Improvement)	P-3a		- / 61.961	- / 64.421	- / 67.401	- / 69.368	- / 132.292	- / 583.931
Total Gross/Weapon System Cost			- / 63.960	- / 66.420	- / 69.400	- / 71.367	- / 138.289	- / 687.983

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: V02200 / CV-22 MODS				Modification Number / Title: 8790 / Block 20 Upgrade				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	39.566	19.218	72.875	56.829	-	56.829	61.961	64.421	67.401	69.368	132.292	583.931
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	39.566	19.218	72.875	56.829	-	56.829	61.961	64.421	67.401	69.368	132.292	583.931
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	39.566	19.218	72.875	56.829	-	56.829	61.961	64.421	67.401	69.368	132.292	583.931
<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>	-	-	2.659	2.839	-	2.839	0.890	0.243	-	-	-	6.631
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification funds the retrofit of fielded CV-22 aircraft and trainers to Block C/20 configuration, and enhancement of self-deployment capability. The Block C/20 modification program will be implemented in several increments and includes, but is not limited to, efforts that (1) improve operational safety, suitability, and effectiveness, (2) correct deficiencies identified during operational testing and/or field operations, (3) improve reliability/maintainability of the aircraft, and (4) enhance defensive systems and self-deployment capabilities. Block C/20 upgrades are being developed in successive increments, and each increment includes multiple different kits, contracted as separate engineering change proposals. Each kit is developed on a separate timeline and will be installed under this modification program when available. A few of the kits will be developed in time to be incorporated on a limited number of aircraft on the production line; the aircraft fielded earlier will be retrofitted with kits under this modification program. Some of the Block C/20 modifications will have to be retrofitted on the entire fleet of CV-22s. The number of kits to be retrofitted under the Block C/20 modification will total 1697. Only 786 of the 1697 kits require depot level installation and the install schedule reflects only those depot level installs. The other 976 kits will be installed by O-level (organizational level maintenance activity). The first increment is expected to retrofit 34 aircraft and expected to include (but is not limited to) rehosting MV-22 Block C modifications on CV-22 and Communications Co-Site Interference program. These kits will be purchased FY2011 to FY2017 with installations FY2013 through FY2018. A follow-on increment is expected to retrofit 43 aircraft and includes (but is not limited to) communications, situational awareness, and software. These kits will be purchased in FY2013 through FY2019 with installations FY2014 through FY2020. The last increment is expected to retrofit the entire aircraft inventory of 50 aircraft and includes (but is not limited to) improvements to avionics architecture, communications/navigation systems, and modifications to increase engine time on wing. These kits will be purchased in FY2015 through FY2022 with installations FY2016 through 2024. This modification also includes funds to upgrade support equipment, training devices and simulators. The CV-22 platform has Diminishing Manufacturing Sources (DMS) issues and funding is included in this budget line item for DMS resolution. This budget line item also includes funds to upgrade CV-22 weapon system software. Funding for DMS and software is included in the A-kit Nonrecurring Engineering cost category.

Milestone/Development Status

RDT&E is funding development activities for the Block C/20 configuration. The Block 20 development contract was awarded in Dec 2007 and is expected to continue through the 31 Dec 2015. The Block C/20 modification consists of three increments and each increment includes several modification upgrades. Block 20 Increments 1 and 2 RDT&E is complete. Block 20 Increment 3 has completed design/development and is conducting flight testing. RDT&E funded by PE 0401318F.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: V02200 / CV-22 MODS					Modification Number / Title: 8790 / Block 20 Upgrade			
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 34: AC Bus Tie Impr													
A Kits													
Recurring													
AC Bus Tie Impr:INSTALL KITS Group A (Active)	- / -	- / -	- / -	24 / 0.263	- / -	24 / 0.263	18 / 0.176	8 / 0.080	- / -	- / -	- / -	50 / 0.519	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.263	- / -	- / 0.263	- / 0.176	- / 0.080	- / -	- / -	- / -	- / 0.519	
<i>Subtotal: AC Bus Tie Impr</i>	- / -	- / -	- / -	- / 0.263	- / -	- / 0.263	- / 0.176	- / 0.080	- / -	- / -	- / -	- / 0.519	
Modification Item 2 of 34: Auto Dependent Surveillance-Broadcast ADSB/Out													
A Kits													
Recurring													
Auto Dependent Surveillance-Broadcast ADSB/ Out:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.126	8 / 2.126	9 / 2.392	8 / 1.544	17 / 3.281	50 / 11.469	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.126	- / 2.126	- / 2.392	- / 1.544	- / 3.281	- / 11.469	
<i>Subtotal: Auto Dependent Surveillance-Broadcast ADSB/Out</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.126	- / 2.126	- / 2.392	- / 1.544	- / 3.281	- / 11.469	
Modification Item 3 of 34: Cock Pit Voice Recorder Kits													
A Kits													
Recurring													
Cock Pit Voice Recorder Kits:INSTALL KITS Group A (Active)	- / -	4 / 0.112	11 / 0.516	11 / 0.389	- / -	11 / 0.389	11 / 0.400	13 / 0.347	- / -	- / -	- / -	50 / 1.764	
<i>Subtotal: Recurring</i>	- / -	- / 0.112	- / 0.516	- / 0.389	- / -	- / 0.389	- / 0.400	- / 0.347	- / -	- / -	- / -	- / 1.764	
<i>Subtotal: Cock Pit Voice Recorder Kits</i>	- / -	- / 0.112	- / 0.516	- / 0.389	- / -	- / 0.389	- / 0.400	- / 0.347	- / -	- / -	- / -	- / 1.764	
Modification Item 4 of 34: Digital Interoperability Improvement Kits													
A Kits													
Recurring													
Digital Interoperability Improvement Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 8.795	40 / 40.180	50 / 48.975	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.795	- / 40.180	- / 48.975	
<i>Subtotal: Digital Interoperability Improvement Kits</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.795	- / 40.180	- / 48.975	
Modification Item 5 of 34: ECP 1001 Gimbal Ring Joint Redesign Kits													
A Kits													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: V02200 / CV-22 MODS				Modification Number / Title: 8790 / Block 20 Upgrade					
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Recurring													
ECP 1001 Gimbal Ring Joint Redesign Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.429	12 / 0.504	12 / 0.504	12 / 0.504	4 / 0.168	50 / 2.109	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.429	- / 0.504	- / 0.504	- / 0.504	- / 0.168	- / 2.109	
<i>Subtotal: ECP 1001 Gimbal Ring Joint Redesign Kits</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.429	- / 0.504	- / 0.504	- / 0.504	- / 0.168	- / 2.109	
Modification Item 6 of 34: ECP 1020 Rudder Reliability Kits													
A Kits													
Recurring													
ECP 1020 Rudder Reliability Kits:INSTALL KITS Group A (Active)	- / -	12 / 0.028	12 / 0.024	12 / 0.024	- / -	12 / 0.024	8 / 0.016	- / -	- / -	- / -	- / -	44 / 0.092	
<i>Subtotal: Recurring</i>	- / -	- / 0.028	- / 0.024	- / 0.024	- / -	- / 0.024	- / 0.016	- / -	- / -	- / -	- / -	- / 0.092	
<i>Subtotal: ECP 1020 Rudder Reliability Kits</i>	- / -	- / 0.028	- / 0.024	- / 0.024	- / -	- / 0.024	- / 0.016	- / -	- / -	- / -	- / -	- / 0.092	
Modification Item 7 of 34: ECP 1041 BLOS Kits													
A Kits													
Recurring													
ECP 1041 BLOS Kits:INSTALL KITS Group A (Active)	- / -	- / -	11 / 3.575	11 / 3.575	- / -	11 / 3.575	11 / 3.575	11 / 3.575	4 / 1.300	- / -	- / -	48 / 15.600	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 3.575	- / 3.575	- / -	- / 3.575	- / 3.575	- / 3.575	- / 1.300	- / -	- / -	- / 15.600	
<i>Subtotal: ECP 1041 BLOS Kits</i>	- / -	- / -	- / 3.575	- / 3.575	- / -	- / 3.575	- / 3.575	- / 3.575	- / 1.300	- / -	- / -	- / 15.600	
Modification Item 8 of 34: ECP 527R1 Emergency O2 Bottle Gauge Kits													
A Kits													
Recurring													
ECP 527R1 Emergency O2 Bottle Gauge Kits:INSTALL KITS Group A (Active)	19 / 0.016	19 / 0.016	19 / 0.016	6 / 0.005	- / -	6 / 0.005	- / -	- / -	- / -	- / -	- / -	63 / 0.053	
<i>Subtotal: Recurring</i>	- / 0.016	- / 0.016	- / 0.016	- / 0.005	- / -	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / 0.053	
<i>Subtotal: ECP 527R1 Emergency O2 Bottle Gauge Kits</i>	- / 0.016	- / 0.016	- / 0.016	- / 0.005	- / -	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / 0.053	
Modification Item 9 of 34: ECP 866R1 Gen 5 Radio Kits													
A Kits													
Recurring													
ECP 866R1 Gen 5 Radio Kits:INSTALL KITS Group A (Active)	- / -	13 / 0.228	13 / 0.022	7 / 0.012	- / -	7 / 0.012	6 / 0.010	- / -	- / -	- / -	- / -	39 / 0.272	
<i>Subtotal: Recurring</i>	- / -	- / 0.228	- / 0.022	- / 0.012	- / -	- / 0.012	- / 0.010	- / -	- / -	- / -	- / -	- / 0.272	
B Kits													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: V02200 / CV-22 MODS				Modification Number / Title: 8790 / Block 20 Upgrade				
Models of Systems Affected: CV-22			Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Recurring												
ECP 866R1 Gen 5 Radio Kits:EQUIPMENT Group B (Active)	- / -	13 / 4.551	13 / 4.830	7 / 2.653	- / -	7 / 2.653	6 / 2.274	- / -	- / -	- / -	- / -	39 / 14.308
<i>Subtotal: Recurring</i>	- / -	- / 4.551	- / 4.830	- / 2.653	- / -	- / 2.653	- / 2.274	- / -	- / -	- / -	- / -	- / 14.308
<i>Subtotal: ECP 866R1 Gen 5 Radio Kits</i>	- / -	- / 4.779	- / 4.852	- / 2.665	- / -	- / 2.665	- / 2.284	- / -	- / -	- / -	- / -	- / 14.580
Modification Item 10 of 34: ECP 869 Nose Landing Gear												
A Kits												
Recurring												
ECP 869 Nose Landing Gear:INSTALL KITS Group A (Active)	- / -	14 / 0.091	2 / 0.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.104
<i>Subtotal: Recurring</i>	- / -	- / 0.091	- / 0.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.104
<i>Subtotal: ECP 869 Nose Landing Gear</i>	- / -	- / 0.091	- / 0.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.104
Modification Item 11 of 34: ECP 873 MCOI Kits												
A Kits												
Recurring												
ECP 873 MCOI Kits:INSTALL KITS Group A (Active)	- / -	- / -	25 / 5.800	25 / 5.400	- / -	25 / 5.400	24 / 5.023	21 / 3.892	6 / 0.066	- / -	- / -	101 / 20.181
<i>Subtotal: Recurring</i>	- / -	- / -	- / 5.800	- / 5.400	- / -	- / 5.400	- / 5.023	- / 3.892	- / 0.066	- / -	- / -	- / 20.181
<i>Subtotal: ECP 873 MCOI Kits</i>	- / -	- / -	- / 5.800	- / 5.400	- / -	- / 5.400	- / 5.023	- / 3.892	- / 0.066	- / -	- / -	- / 20.181
Modification Item 12 of 34: ECP 901 Blk C Kits												
A Kits												
Recurring												
ECP 901 Blk C Kits:INSTALL KITS Group A (Active)	15 / 10.487	- / -	6 / 4.278	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 14.765
<i>Subtotal: Recurring</i>	- / 10.487	- / -	- / 4.278	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.765
<i>Subtotal: ECP 901 Blk C Kits</i>	- / 10.487	- / -	- / 4.278	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.765
Modification Item 13 of 34: ECP 901 Co-Site Kits												
A Kits												
Recurring												
ECP 901 Co-Site Kits:INSTALL KITS Group A (Active)	15 / 7.546	- / -	8 / 4.098	8 / 4.098	- / -	8 / 4.098	3 / 1.537	- / -	- / -	- / -	- / -	34 / 17.279
<i>Subtotal: Recurring</i>	- / 7.546	- / -	- / 4.098	- / 4.098	- / -	- / 4.098	- / 1.537	- / -	- / -	- / -	- / -	- / 17.279
<i>Subtotal: ECP 901 Co-Site Kits</i>	- / 7.546	- / -	- / 4.098	- / 4.098	- / -	- / 4.098	- / 1.537	- / -	- / -	- / -	- / -	- / 17.279
Modification Item 14 of 34: ECP 901R2 Antenna Mounting Kits												
A Kits												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: V02200 / CV-22 MODS						Modification Number / Title: 8790 / Block 20 Upgrade			
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Recurring													
ECP 901R2 Antenna Mounting Kits:INSTALL KITS Group A (Active)	7 / 0.016	8 / 0.019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.035	
<i>Subtotal: Recurring</i>	- / 0.016	- / 0.019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.035	
<i>Subtotal: ECP 901R2 Antenna Mounting Kits</i>	- / 0.016	- / 0.019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.035	
Modification Item 15 of 34: ECP 901R2 Troop Commander Panel Kits													
A Kits													
Recurring													
ECP 901R2 Troop Commander Panel Kits:INSTALL KITS Group A (Active)	7 / 0.006	8 / 0.007	5 / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.018	
<i>Subtotal: Recurring</i>	- / 0.006	- / 0.007	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.018	
<i>Subtotal: ECP 901R2 Troop Commander Panel Kits</i>	- / 0.006	- / 0.007	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.018	
Modification Item 16 of 34: ECP 906 Fuel Jettison Kits													
A Kits													
Recurring													
ECP 906 Fuel Jettison Kits:INSTALL KITS Group A (Active)	18 / 7.061	8 / 3.147	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 10.208	
<i>Subtotal: Recurring</i>	- / 7.061	- / 3.147	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.208	
<i>Subtotal: ECP 906 Fuel Jettison Kits</i>	- / 7.061	- / 3.147	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.208	
Modification Item 17 of 34: ECP 915 Wiring Harness Kits													
A Kits													
Recurring													
ECP 915 Wiring Harness Kits:INSTALL KITS Group A (Active)	- / -	- / -	11 / 0.195	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.195	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 0.195	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.195	
<i>Subtotal: ECP 915 Wiring Harness Kits</i>	- / -	- / -	- / 0.195	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.195	
Modification Item 18 of 34: ECP 922 Electrical Power Upgrade CFG/VFG													
A Kits													
Recurring													
ECP 922 Electrical Power Upgrade CFG/VFG:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 4.162	20 / 4.245	10 / 1.948	50 / 10.355	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.162	- / 4.245	- / 1.948	- / 10.355	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: V02200 / CV-22 MODS					Modification Number / Title: 8790 / Block 20 Upgrade			
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<i>Subtotal: ECP 922 Electrical Power Upgrade CFG/VFG</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.162	- / 4.245	- / 1.948	- / 10.355	
Modification Item 19 of 34: ECP 929 Drive Tube Kits													
A Kits													
Recurring													
ECP 929 Drive Tube Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	6 / 0.735	- / -	6 / 0.735	8 / 0.992	8 / 0.992	8 / 0.992	8 / 0.992	14 / 1.098	52 / 5.801	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.735	- / -	- / 0.735	- / 0.992	- / 0.992	- / 0.992	- / 0.992	- / 1.098	- / 5.801	
<i>Subtotal: ECP 929 Drive Tube Kits</i>	- / -	- / -	- / -	- / 0.735	- / -	- / 0.735	- / 0.992	- / 0.992	- / 0.992	- / 0.992	- / 1.098	- / 5.801	
Modification Item 20 of 34: ECP 935 Mode 5 APX-119 Kits													
A Kits													
Recurring													
ECP 935 Mode 5 APX-119 Kits:INSTALL KITS Group A (Active)	- / -	13 / 0.698	12 / 0.914	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 1.612	
<i>Subtotal: Recurring</i>	- / -	- / 0.698	- / 0.914	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.612	
<i>Subtotal: ECP 935 Mode 5 APX-119 Kits</i>	- / -	- / 0.698	- / 0.914	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.612	
Modification Item 21 of 34: ECP 987 Differential Pressure Indicator Kits													
A Kits													
Recurring													
ECP 987 Differential Pressure Indicator Kits:INSTALL KITS Group A (Active)	- / -	- / -	40 / 0.185	22 / 0.102	- / -	22 / 0.102	23 / 0.107	23 / 0.107	27 / 0.125	22 / 0.102	- / -	157 / 0.728	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 0.185	- / 0.102	- / -	- / 0.102	- / 0.107	- / 0.107	- / 0.125	- / 0.102	- / -	- / 0.728	
<i>Subtotal: ECP 987 Differential Pressure Indicator Kits</i>	- / -	- / -	- / 0.185	- / 0.102	- / -	- / 0.102	- / 0.107	- / 0.107	- / 0.125	- / 0.102	- / -	- / 0.728	
Modification Item 22 of 34: ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits													
A Kits													
Recurring													
ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits:INSTALL KITS Group A (Active)	- / -	- / -	6 / 0.108	6 / 0.108	- / -	6 / 0.108	6 / 0.108	6 / 0.108	- / -	- / -	- / -	24 / 0.432	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 0.108	- / 0.108	- / -	- / 0.108	- / 0.108	- / 0.108	- / -	- / -	- / -	- / 0.432	
<i>Subtotal: ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits</i>	- / -	- / -	- / 0.108	- / 0.108	- / -	- / 0.108	- / 0.108	- / 0.108	- / -	- / -	- / -	- / 0.432	
Modification Item 23 of 34: ECP901R2 Beefy Cables Retrofit Kits													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: V02200 / CV-22 MODS				Modification Number / Title: 8790 / Block 20 Upgrade					
Models of Systems Affected: CV-22			Modification Type: Capability Improvement					Related RDT&E PEs: 0401318F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
A Kits													
Recurring													
ECP901R2 Beefy Cables Retrofit Kits:INSTALL KITS Group A (Active)	7 / 0.036	8 / 0.042	11 / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 0.138	
<i>Subtotal: Recurring</i>	- / 0.036	- / 0.042	- / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.138	
<i>Subtotal: ECP901R2 Beefy Cables Retrofit Kits</i>	- / 0.036	- / 0.042	- / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.138	
Modification Item 24 of 34: ECP901R2 Satcom Egg Beater Antenna Kits													
A Kits													
Recurring													
ECP901R2 Satcom Egg Beater Antenna Kits:INSTALL KITS Group A (Active)	7 / 0.152	8 / 0.179	12 / 0.273	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 0.604	
<i>Subtotal: Recurring</i>	- / 0.152	- / 0.179	- / 0.273	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.604	
<i>Subtotal: ECP901R2 Satcom Egg Beater Antenna Kits</i>	- / 0.152	- / 0.179	- / 0.273	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.604	
Modification Item 25 of 34: Formsprag Clutch Impr													
A Kits													
Recurring													
Formsprag Clutch Impr:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.910	10 / 0.910	10 / 0.910	10 / 0.910	10 / 0.910	50 / 4.550	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.910	- / 0.910	- / 0.910	- / 0.910	- / 0.910	- / 4.550	
<i>Subtotal: Formsprag Clutch Impr</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.910	- / 0.910	- / 0.910	- / 0.910	- / 0.910	- / 4.550	
Modification Item 26 of 34: Fwd Looking Infrared Systems Electronics Unit (FLIR SEU)													
A Kits													
Recurring													
Fwd Looking Infrared Systems Electronics Unit (FLIR SEU):INSTALL KITS Group A (Active)	2 / 0.531	- / -	10 / 0.364	15 / 0.557	- / -	15 / 0.557	10 / 0.379	- / -	- / -	- / -	- / -	37 / 1.831	
<i>Subtotal: Recurring</i>	- / 0.531	- / -	- / 0.364	- / 0.557	- / -	- / 0.557	- / 0.379	- / -	- / -	- / -	- / -	- / 1.831	
<i>Subtotal: Fwd Looking Infrared Systems Electronics Unit (FLIR SEU)</i>	- / 0.531	- / -	- / 0.364	- / 0.557	- / -	- / 0.557	- / 0.379	- / -	- / -	- / -	- / -	- / 1.831	
Modification Item 27 of 34: GAU-21 Gun													
A Kits													
Recurring													
GAU-21 Gun:INSTALL KITS Group A (Active)	50 / 1.240	50 / 1.740	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 2.980	
<i>Subtotal: Recurring</i>	- / 1.240	- / 1.740	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.980	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: V02200 / CV-22 MODS					Modification Number / Title: 8790 / Block 20 Upgrade			
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
<i>Subtotal: GAU-21 Gun</i>	- / 1.240	- / 1.740	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.980	
Modification Item 28 of 34: Improved Anti-drive Spacers													
A Kits													
Recurring													
Improved Anti-drive Spacers:INSTALL KITS Group A (Active)	58 / 0.036	72 / 0.046	24 / 0.016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	154 / 0.098	
<i>Subtotal: Recurring</i>	- / 0.036	- / 0.046	- / 0.016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.098	
<i>Subtotal: Improved Anti-drive Spacers</i>	- / 0.036	- / 0.046	- / 0.016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.098	
Modification Item 29 of 34: Improved Inlet Solution													
A Kits													
Recurring													
Improved Inlet Solution:INSTALL KITS Group A (Active)	- / -	- / -	- / -	3 / 5.250	- / -	3 / 5.250	7 / 12.250	11 / 19.250	16 / 28.000	13 / 22.750	- / -	50 / 87.500	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 5.250	- / -	- / 5.250	- / 12.250	- / 19.250	- / 28.000	- / 22.750	- / -	- / 87.500	
<i>Subtotal: Improved Inlet Solution</i>	- / -	- / -	- / -	- / 5.250	- / -	- / 5.250	- / 12.250	- / 19.250	- / 28.000	- / 22.750	- / -	- / 87.500	
Modification Item 30 of 34: Intel Broadcast Receiver (IBR)													
A Kits													
Recurring													
Intel Broadcast Receiver (IBR):INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	32 / 3.200	18 / 1.800	- / -	- / -	- / -	50 / 5.000	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.200	- / 1.800	- / -	- / -	- / -	- / 5.000	
<i>Subtotal: Intel Broadcast Receiver (IBR)</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.200	- / 1.800	- / -	- / -	- / -	- / 5.000	
Modification Item 31 of 34: Life Limited Airframe Components Impr													
A Kits													
Recurring													
Life Limited Airframe Components Impr:INSTALL KITS Group A (Active)	- / -	- / -	- / -	2 / 0.036	- / -	2 / 0.036	3 / 0.054	3 / 0.054	3 / 0.054	4 / 0.072	35 / 0.630	50 / 0.900	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.036	- / -	- / 0.036	- / 0.054	- / 0.054	- / 0.054	- / 0.072	- / 0.630	- / 0.900	
<i>Subtotal: Life Limited Airframe Components Impr</i>	- / -	- / -	- / -	- / 0.036	- / -	- / 0.036	- / 0.054	- / 0.054	- / 0.054	- / 0.072	- / 0.630	- / 0.900	
Modification Item 32 of 34: PRGB Atmospheric Protection Kits													
A Kits													
Recurring													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: V02200 / CV-22 MODS					Modification Number / Title: 8790 / Block 20 Upgrade			
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
PRGB Atmospheric Protection Kits:INSTALL KITS Group A (Active)	- / -	8 / 0.179	12 / 0.269	12 / 0.269	- / -	12 / 0.269	- / -	- / -	- / -	- / -	- / -	32 / 0.717	
<i>Subtotal: Recurring</i>	- / -	- / 0.179	- / 0.269	- / 0.269	- / -	- / 0.269	- / -	- / -	- / -	- / -	- / -	- / 0.717	
<i>Subtotal: PRGB Atmospheric Protection Kits</i>	- / -	- / 0.179	- / 0.269	- / 0.269	- / -	- / 0.269	- / -	- / -	- / -	- / -	- / -	- / 0.717	
Modification Item 33 of 34: Prop Rotor Hub Spring & Drive Link Impr													
A Kits													
Recurring													
Prop Rotor Hub Spring & Drive Link Impr:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.820	12 / 0.820	12 / 0.820	14 / 0.957	50 / 3.417	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.820	- / 0.820	- / 0.820	- / 0.957	- / 3.417	
<i>Subtotal: Prop Rotor Hub Spring & Drive Link Impr</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.820	- / 0.820	- / 0.820	- / 0.957	- / 3.417	
Modification Item 34 of 34: Swashplate Actuator Mod													
A Kits													
Recurring													
Swashplate Actuator Mod:INSTALL KITS Group A (Active)	- / -	12 / 0.084	12 / 0.086	8 / 0.058	- / -	8 / 0.058	- / -	- / -	- / -	- / -	- / -	32 / 0.228	
<i>Subtotal: Recurring</i>	- / -	- / 0.084	- / 0.086	- / 0.058	- / -	- / 0.058	- / -	- / -	- / -	- / -	- / -	- / 0.228	
<i>Subtotal: Swashplate Actuator Mod</i>	- / -	- / 0.084	- / 0.086	- / 0.058	- / -	- / 0.058	- / -	- / -	- / -	- / -	- / -	- / 0.228	
<i>Subtotal: Procurement, All Modification Items</i>	- / 27.127	- / 11.167	- / 25.647	- / 23.534	- / -	- / 23.534	- / 33.566	- / 34.565	- / 39.325	- / 40.734	- / 49.172	- / 284.837	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / 1.779	- / 16.589	- / 18.991	- / -	- / 18.991	- / 17.803	- / 17.959	- / 18.118	- / 19.781	- / 25.263	- / 86.283	
Data	- / -	- / -	- / 12.500	- / 12.318	- / -	- / 12.318	- / 12.500	- / -	- / -	- / -	- / -	- / 17.318	
SIM/TRAINER	8 / 10.050	- / -	6 / 9.655	3 / 6.389	- / -	3 / 6.389	3 / 2.560	5 / 5.550	3 / 3.566	3 / 2.747	8 / 7.854	39 / 48.371	
SUPPORT-EQUIP	- / 10.189	- / 1.007	- / 12.360	- / 12.025	- / -	- / 12.025	- / 12.030	- / 12.033	- / 12.173	- / 12.216	- / 16.919	- / 20.952	
OTHER GOVT	- / -	- / 12.747	- / 11.240	- / 10.230	- / -	- / 10.230	- / 10.497	- / 10.831	- / 10.820	- / 10.947	- / 33.523	- / 100.835	
<i>Subtotal: Support</i>	8 / 10.239	- / 5.533	6 / 42.344	3 / 29.953	- / -	3 / 29.953	3 / 25.390	5 / 26.373	3 / 24.677	3 / 25.691	8 / 73.559	39 / 263.759	
Installation													
Modification Item 1 of 34: AC Bus Tie Impr	- / -	- / -	- / -	24 / 0.263	- / -	24 / 0.263	18 / 0.176	8 / 0.080	- / -	- / -	- / -	50 / 0.519	
Modification Item 3 of 34: Cock Pit Voice Recorder Kits	- / -	- / -	4 / 0.032	11 / 0.088	- / -	11 / 0.088	11 / 0.088	11 / 0.088	13 / 0.104	- / -	- / -	50 / 0.400	
Modification Item 5 of 34: ECP 1001 Gimbal Ring Joint Redesign Kits	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.300	12 / 0.360	12 / 0.360	16 / 0.480	50 / 1.500	
Modification Item 6 of 34: ECP 1020 Rudder Reliability Kits	- / -	- / -	12 / 0.275	12 / 0.275	- / -	12 / 0.275	12 / 0.275	8 / 0.183	- / -	- / -	- / -	44 / 1.008	
Modification Item 7 of 34: ECP 1041 BLOS Kits	- / -	- / -	- / -	11 / 0.506	- / -	11 / 0.506	11 / 0.506	11 / 0.506	11 / 0.506	4 / 0.184	- / -	48 / 2.208	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: V02200 / CV-22 MODS					Modification Number / Title: 8790 / Block 20 Upgrade			
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Modification Item 9 of 34: ECP 866R1 Gen 5 Radio Kits	- / -	- / -	13 / 0.130	13 / 0.130	- / -	13 / 0.130	7 / 0.071	6 / 0.062	- / -	- / -	- / -	39 / 0.393	
Modification Item 10 of 34: ECP 869 Nose Landing Gear	- / -	- / -	14 / 0.099	2 / 0.014	- / -	2 / 0.014	- / -	- / -	- / -	- / -	- / -	16 / 0.113	
Modification Item 11 of 34: ECP 873 MCOI Kits	- / -	- / -	- / -	25 / 0.583	- / -	25 / 0.583	25 / 0.583	24 / 0.583	21 / 0.538	6 / 0.048	- / -	101 / 2.335	
Modification Item 12 of 34: ECP 901 Blk C Kits	4 / 0.690	3 / 0.535	8 / 1.147	6 / 0.860	- / -	6 / 0.860	- / -	- / -	- / -	- / -	- / -	21 / 3.232	
Modification Item 13 of 34: ECP 901 Co-Site Kits	4 / 0.222	11 / 0.543	- / -	8 / 0.378	- / -	8 / 0.378	8 / 0.378	3 / 0.147	- / -	- / -	- / -	34 / 1.668	
Modification Item 14 of 34: ECP 901R2 Antenna Mounting Kits	- / -	7 / 0.050	8 / 0.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.096	
Modification Item 15 of 34: ECP 901R2 Troop Commander Panel Kits	- / -	7 / 0.044	8 / 0.064	5 / 0.030	- / -	5 / 0.030	- / -	- / -	- / -	- / -	- / -	20 / 0.138	
Modification Item 16 of 34: ECP 906 Fuel Jettison Kits	9 / 1.288	9 / 1.181	8 / 2.498	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 4.967	
Modification Item 17 of 34: ECP 915 Wiring Harness Kits	- / -	- / -	11 / 0.431	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.431	
Modification Item 19 of 34: ECP 929 Drive Tube Kits	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.150	8 / 0.203	8 / 0.207	8 / 0.211	22 / 0.761	52 / 1.532	
Modification Item 22 of 34: ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits	- / -	- / -	- / -	6 / 0.044	- / -	6 / 0.044	6 / 0.044	6 / 0.044	6 / 0.044	- / -	- / -	24 / 0.176	
Modification Item 23 of 34: ECP901R2 Beefy Cables Retrofit Kits	- / -	7 / 0.141	8 / 0.144	11 / 0.076	- / -	11 / 0.076	- / -	- / -	- / -	- / -	- / -	26 / 0.361	
Modification Item 24 of 34: ECP901R2 Satcom Egg Beater Antenna Kits	- / -	7 / 0.024	8 / 0.018	12 / 0.024	- / -	12 / 0.024	- / -	- / -	- / -	- / -	- / -	27 / 0.066	
Modification Item 29 of 34: Improved Inlet Solution	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.300	7 / 0.700	11 / 1.100	16 / 1.600	13 / 1.300	50 / 5.000	
Modification Item 31 of 34: Life Limited Airframe Components Impr	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.360	3 / 0.540	3 / 0.540	3 / 0.540	39 / 7.020	50 / 9.000	
Modification Item 34 of 34: Swashplate Actuator Mod	- / -	- / -	- / -	12 / 0.071	- / -	12 / 0.071	12 / 0.074	8 / 0.047	- / -	- / -	- / -	32 / 0.192	
<i>Subtotal: Installation</i>	17 / 2.200	51 / 2.518	102 / 4.884	158 / 3.342	- / -	158 / 3.342	121 / 3.005	113 / 3.483	85 / 3.399	49 / 2.943	90 / 9.561	786 / 35.335	
Total													
Total Cost (Procurement + Support + Installation)	39.566	19.218	72.875	56.829	-	56.829	61.961	64.421	67.401	69.368	132.292	583.931	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 1 of 34: AC Bus Tie Impr

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	24 / 0.263	- / -	24 / 0.263	- / -	- / -	- / -	- / -	- / -	24 / 0.263
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.176	- / -	- / -	- / -	- / -	18 / 0.176
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.080	- / -	- / -	- / -	8 / 0.080
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	24 / 0.263	- / -	24 / 0.263	18 / 0.176	8 / 0.080	- / -	- / -	- / -	50 / 0.519

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	6	6	6	6	4	4	5	5	2	2	2	2	-	-	-	-	-	-	-	-	-	-	50
Out	0	-	-	-	-	-	-	-	-	-	5	5	5	5	6	6	6	4	2	2	4	-	-	-	-	-	-	-	-	-	-	50

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade
---	---	--

Modification Item 2 of 34: Auto Dependent Surveillance-Broadcast ADSB/Out

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
--------------------------------	------------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 50
---	----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 3 of 34: Cock Pit Voice Recorder Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	4 / 0.032	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.032
FY 2015	- / -	- / -	- / -	11 / 0.088	- / -	11 / 0.088	- / -	- / -	- / -	- / -	- / -	11 / 0.088
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.088	- / -	- / -	- / -	- / -	11 / 0.088
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.088	- / -	- / -	- / -	11 / 0.088
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.104	- / -	- / -	13 / 0.104
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	4 / 0.032	11 / 0.088	- / -	11 / 0.088	11 / 0.088	11 / 0.088	13 / 0.104	- / -	- / -	50 / 0.400

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	4	-	3	4	4	2	3	3	3	2	3	3	3	3	3	3	4	-	-	-	-	-	50
Out	0	-	-	-	-	-	-	-	-	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	-	-	-	-	50

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade
---	---	--

Modification Item 4 of 34: Digital Interoperability Improvement Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
--------------------------------	------------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 50
---	----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 5 of 34: ECP 1001 Gimbal Ring Joint Redesign Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.300	- / -	- / -	- / -	10 / 0.300
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.360	- / -	- / -	12 / 0.360
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.360	- / -	12 / 0.360
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.480	16 / 0.480
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.300	12 / 0.360	12 / 0.360	16 / 0.480	50 / 1.500

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	3	3	3	3	3	3	3	3	3	16	50
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	3	3	3	3	3	3	3	3	3	16	50

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 6 of 34: ECP 1020 Rudder Reliability Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	12 / 0.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.275
FY 2015	- / -	- / -	- / -	12 / 0.275	- / -	12 / 0.275	- / -	- / -	- / -	- / -	- / -	12 / 0.275
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.275	- / -	- / -	- / -	- / -	12 / 0.275
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.183	- / -	- / -	- / -	8 / 0.183
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	12 / 0.275	12 / 0.275	- / -	12 / 0.275	12 / 0.275	8 / 0.183	- / -	- / -	- / -	44 / 1.008

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	4	8	3	3	3	3	3	3	3	3	2	2	2	2	-	-	-	-	-	-	-	-	-	-	44
Out	0	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	-	-	-	-	-	-	-	-	44

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 7 of 34: ECP 1041 BLOS Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	11 / 0.506	- / -	11 / 0.506	- / -	- / -	- / -	- / -	- / -	11 / 0.506
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.506	- / -	- / -	- / -	- / -	11 / 0.506
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.506	- / -	- / -	- / -	11 / 0.506
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.506	- / -	- / -	11 / 0.506
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.184	- / -	4 / 0.184
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	11 / 0.506	- / -	11 / 0.506	11 / 0.506	11 / 0.506	11 / 0.506	4 / 0.184	- / -	48 / 2.208

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	3	4	4	2	3	3	3	2	3	3	3	2	3	3	3	2	2	-	-	-	48
Out	0	-	-	-	-	-	-	-	-	-	-	3	3	2	3	3	3	2	2	2	3	2	2	2	2	2	2	2	2	9	48

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade
---	---	--

Modification Item 8 of 34: ECP 527R1 Emergency O2 Bottle Gauge Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
--------------------------------	------------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 63
---	----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 9 of 34: ECP 866R1 Gen 5 Radio Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing				Manufacturer Location: Amarillo TX			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016			
Delivery Dates	Dec 2014	Dec 2015	Dec 2016	Dec 2017			

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	13 / 0.130	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.130
FY 2015	- / -	- / -	- / -	13 / 0.130	- / -	13 / 0.130	- / -	- / -	- / -	- / -	- / -	13 / 0.130
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.071	- / -	- / -	- / -	- / -	7 / 0.071
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.062	- / -	- / -	- / -	6 / 0.062
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	13 / 0.130	13 / 0.130	- / -	13 / 0.130	7 / 0.071	6 / 0.062	- / -	- / -	- / -	39 / 0.393

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	4	4	5	3	3	3	4	2	2	2	1	2	1	2	1	-	-	-	-	-	-	-	-	-	-
Out	0	-	-	-	-	-	-	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 10 of 34: ECP 869 Nose Landing Gear

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	14 / 0.099	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.099
FY 2015	- / -	- / -	- / -	2 / 0.014	- / -	2 / 0.014	- / -	- / -	- / -	- / -	- / -	2 / 0.014
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	14 / 0.099	2 / 0.014	- / -	2 / 0.014	- / -	- / -	- / -	- / -	- / -	16 / 0.113

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	-	-	-	-	4	4	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Out	0	-	-	-	-	-	4	4	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 11 of 34: ECP 873 MCOI Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	25 / 0.583	- / -	25 / 0.583	- / -	- / -	- / -	- / -	- / -	25 / 0.583
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.583	- / -	- / -	- / -	- / -	25 / 0.583
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.583	- / -	- / -	- / -	24 / 0.583
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 0.538	- / -	- / -	21 / 0.538
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.048	- / -	6 / 0.048
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	25 / 0.583	- / -	25 / 0.583	25 / 0.583	24 / 0.583	21 / 0.538	6 / 0.048	- / -	101 / 2.335

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	5	5	7	8	5	5	7	8	5	5	7	7	6	6	5	4	2	2	2	-	-	101
Out	0	-	-	-	-	-	-	-	-	-	-	-	6	5	5	7	8	5	5	7	7	6	6	5	4	2	2	2	2	17	101

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 12 of 34: ECP 901 Blk C Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014					
Delivery Dates	Dec 2014	Dec 2015					

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.690	3 / 0.535	8 / 1.147	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 2.372
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	6 / 0.860	- / -	6 / 0.860	- / -	- / -	- / -	- / -	- / -	6 / 0.860
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 0.690	3 / 0.535	8 / 1.147	6 / 0.860	- / -	6 / 0.860	- / -	- / -	- / -	- / -	- / -	21 / 3.232

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	2	2	2	2	2	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
Out	0	2	2	1	1	1	2	2	2	2	2	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 13 of 34: ECP 901 Co-Site Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016			
Delivery Dates	Dec 2014	Dec 2015	Dec 2016	Dec 2017			

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.222	11 / 0.543	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.765
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	8 / 0.378	- / -	8 / 0.378	- / -	- / -	- / -	- / -	- / -	8 / 0.378
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.378	- / -	- / -	- / -	- / -	8 / 0.378
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.147	- / -	- / -	- / -	3 / 0.147
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 0.222	11 / 0.543	- / -	8 / 0.378	- / -	8 / 0.378	8 / 0.378	3 / 0.147	- / -	- / -	- / -	34 / 1.668

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	4	3	3	3	2	-	-	-	-	2	2	2	2	2	2	2	2	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	34
Out	0	2	2	2	2	2	2	2	1	-	2	2	2	2	2	2	2	2	2	1	1	1	-	-	-	-	-	-	-	-	-	34	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 14 of 34: ECP 901R2 Antenna Mounting Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015				
Delivery Dates	Dec 2014	Dec 2015	Dec 2016				

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.050
FY 2014	- / -	- / -	8 / 0.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.046
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	7 / 0.050	8 / 0.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.096

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	-	2	2	3	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Out	0	-	-	2	2	3	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 15 of 34: ECP 901R2 Troop Commander Panel Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015				
Delivery Dates	Dec 2014	Dec 2015	Dec 2016				

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.044	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.044
FY 2014	- / -	- / -	8 / 0.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.064
FY 2015	- / -	- / -	- / -	5 / 0.030	- / -	5 / 0.030	- / -	- / -	- / -	- / -	- / -	5 / 0.030
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	7 / 0.044	8 / 0.064	5 / 0.030	- / -	5 / 0.030	- / -	- / -	- / -	- / -	- / -	20 / 0.138

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	2	2	3	2	2	2	2	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
Out	0	-	-	2	2	3	2	2	2	2	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 16 of 34: ECP 906 Fuel Jettison Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing				Manufacturer Location: Amarillo TX			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Apr 2014						
Delivery Dates	Dec 2014						

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	9 / 1.288	9 / 1.181	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 2.469
FY 2014	- / -	- / -	8 / 2.498	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.498
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	9 / 1.288	9 / 1.181	8 / 2.498	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 4.967

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	3	2	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
Out	4	4	3	3	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 17 of 34: ECP 915 Wiring Harness Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	11 / 0.431	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.431
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	11 / 0.431	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.431

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Out	0	-	-	-	-	-	-	-	3	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade
---	---	--

Modification Item 18 of 34: ECP 922 Electrical Power Upgrade CFG/VFG

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
--------------------------------	------------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 50
---	----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 19 of 34: ECP 929 Drive Tube Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.150	- / -	- / -	- / -	- / -	6 / 0.150
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.203	- / -	- / -	- / -	8 / 0.203
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.207	- / -	- / -	8 / 0.207
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.211	- / -	8 / 0.211
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.211	8 / 0.211
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.550	14 / 0.550
Total	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.150	8 / 0.203	8 / 0.207	8 / 0.211	22 / 0.761	52 / 1.532

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	22	52
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	24	52

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade
---	---	--

Modification Item 20 of 34: ECP 935 Mode 5 APX-119 Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
--------------------------------	------------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 25
---	----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade
---	---	--

Modification Item 21 of 34: ECP 987 Differential Pressure Indicator Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
--------------------------------	------------------------------------

Administrative Leadtime (<i>in Months</i>): 2	Production Leadtime (<i>in Months</i>): 12
---	--

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Feb 2015	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Jan 2020
Delivery Dates		Feb 2016	Dec 2016	Dec 2017	Dec 2018	Dec 2019	Jan 2021

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 157
---	-----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 22 of 34: ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	6 / 0.044	- / -	6 / 0.044	- / -	- / -	- / -	- / -	- / -	6 / 0.044
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.044	- / -	- / -	- / -	- / -	6 / 0.044
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.044	6 / 0.044	- / -	- / -	12 / 0.088
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	6 / 0.044	- / -	6 / 0.044	6 / 0.044	6 / 0.044	6 / 0.044	- / -	- / -	24 / 0.176

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	2	2	2	-	2	2	2	-	2	2	2	-	2	2	2	-	-	-	-	-	24
Out	0	-	-	-	-	-	-	-	-	2	2	2	2	2	2	1	1	1	1	2	2	2	1	1	-	-	-	-	-	-	24

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 23 of 34: ECP901R2 Beefy Cables Retrofit Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014					
Delivery Dates	Dec 2014	Dec 2015					

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.141
FY 2014	- / -	- / -	8 / 0.144	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.144
FY 2015	- / -	- / -	- / -	11 / 0.076	- / -	11 / 0.076	- / -	- / -	- / -	- / -	- / -	11 / 0.076
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	7 / 0.141	8 / 0.144	11 / 0.076	- / -	11 / 0.076	- / -	- / -	- / -	- / -	- / -	26 / 0.361

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	2	2	3	2	2	2	2	2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
Out	0	-	-	2	2	3	2	2	2	2	2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 24 of 34: ECP901R2 Satcom Egg Beater Antenna Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015				
Delivery Dates	Dec 2014	Dec 2015	Dec 2016				

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total 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 / 0.024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.024
FY 2014	- / -	- / -	8 / 0.018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.018
FY 2015	- / -	- / -	- / -	12 / 0.024	- / -	12 / 0.024	- / -	- / -	- / -	- / -	- / -	12 / 0.024
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	7 / 0.024	8 / 0.018	12 / 0.024	- / -	12 / 0.024	- / -	- / -	- / -	- / -	- / -	27 / 0.066

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	-	2	2	3	2	2	2	2	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27
Out	0	-	-	2	2	3	2	2	2	2	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade
---	---	--

Modification Item 25 of 34: Formsprag Clutch Impr

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
--------------------------------	------------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Feb 2017	Feb 2018	Feb 2019	Feb 2020
Delivery Dates				Feb 2018	Feb 2019	Feb 2020	Feb 2021

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 50
---	----------------------------------

--	--

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade
---	---	--

Modification Item 26 of 34: Fwd Looking Infrared Systems Electronics Unit (FLIR SEU)

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
--------------------------------	------------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 37
---	----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade
---	---	--

Modification Item 27 of 34: GAU-21 Gun

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
--------------------------------	------------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 100
---	-----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade
---	---	--

Modification Item 28 of 34: Improved Anti-drive Spacers

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
--------------------------------	------------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 154
---	-----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 29 of 34: Improved Inlet Solution

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.300	- / -	- / -	- / -	- / -	3 / 0.300
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.700	- / -	- / -	- / -	7 / 0.700
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.100	- / -	- / -	11 / 1.100
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.600	- / -	16 / 1.600
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 1.300	13 / 1.300
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.300	7 / 0.700	11 / 1.100	16 / 1.600	13 / 1.300	50 / 5.000

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	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	1	2	2	2	1	3	3	3	2	4	4	4	4	4	13	50
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	2	2	2	1	3	3	3	2	4	4	4	4	17	50

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade
---	---	--

Modification Item 30 of 34: Intel Broadcast Receiver (IBR)

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
--------------------------------	------------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 50
---	----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade

Modification Item 31 of 34: Life Limited Airframe Components Impr

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.360	- / -	- / -	- / -	- / -	2 / 0.360
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.540	- / -	- / -	- / -	3 / 0.540
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.540	- / -	- / -	3 / 0.540
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.540	- / -	3 / 0.540
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.720	4 / 0.720
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 6.300	35 / 6.300
Total	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.360	3 / 0.540	3 / 0.540	3 / 0.540	39 / 7.020	50 / 9.000

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	1	1	1	-	1	1	1	-	1	1	1	39	50
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	1	-	1	1	1	-	1	1	40	50

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade
---	---	--

Modification Item 32 of 34: PRGB Atmospheric Protection Kits

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
--------------------------------	------------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 32
---	----------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 MODS	Modification Number / Title: 8790 / Block 20 Upgrade
---	---	--

Modification Item 33 of 34: Prop Rotor Hub Spring & Drive Link Impr

Manufacturer Information

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
--------------------------------	------------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 0
---	---------------------------------

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0205219F	Other Related Program Elements: 0205219F
---	--	---

Line Item MDAP/MAIS Code: 424	Item MDAP/MAIS Code(s):
--------------------------------------	--------------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	302.107	58.970	155.445	115.226	69.000	184.226	207.894	213.038	249.849	252.153	423.983	2,047.665
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	302.107	58.970	155.445	115.226	69.000	184.226	207.894	213.038	249.849	252.153	423.983	2,047.665
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	302.107	58.970	155.445	115.226	69.000	184.226	207.894	213.038	249.849	252.153	423.983	2,047.665

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

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

Description:

The MQ-9 Reaper system is designed primarily to prosecute critical emerging Time Sensitive Targets (TSTs) as a radar-based attack asset with organic hard-kill capability (hunter-killer) and also perform Intelligence, Surveillance, Reconnaissance and Target Acquisition (ISR TA) as a secondary role. In the hunter-killer role, the aircraft will employ multi-spectral sensors to automatically find, fix, and track ground targets using Automatic Target Cueing (ATC) and assess post-strike results. The basic MQ-9 Reaper system consists of the aircraft, sensors, a ground control station (GCS), communications equipment, weapon kits, support equipment, simulator and training devices, Readiness Spares Packages (RSP), technical data/training, and personnel required to operate, maintain, and sustain the system. The aircraft is designed to be modular and open-ended. Mission-specific equipment is employed in a 'plug-and-play' mission kit concept allowing specific aircraft and control station configurations to be tailored to fit mission needs. The MQ-9 aircraft will continue to be modified to ensure aircraft are standardized with the latest configuration. Additionally, the MQ-9 system will continue to evolve and upgrade its capabilities to satisfy new requirements and address Reliability and Maintainability (R&M) and safety issues as they arise. Retrofit also includes aircraft (including sensors) and ground control station and ground support system retrofits to baseline configurations.

There are currently 178 MQ-9 aircraft in the inventory with an estimated designed service life of 20,000 hours.

Efforts in this modification summary and associated P3As have been broken out into several categories: GCS Blk 50, Block 5, Multi-Spectral Targeting System-B (MTS-B) High Definition (HD), Technology Insertion, Extended Range MQ-9, MQ-9 Low Cost Mods, MQ-9 Field, Lynx SAR, GCS Blk 30, Reliability and Maintainability (R&M) enhancements, GCS Tech Refresh and Communication Enhancements.

The program has been funded to latest cost estimate.

This program has associated Research, Development Test and Evaluation (RDT&E) AF funding in MQ-9 PE 25219F.

Funding for this exhibit contained in PE 0205219F.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
PRDTB2 / MQ-9 MODS

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0205219F **Other Related Program Elements:** 0205219F

Line Item MDAP/MAIS Code: 424 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / GCS Blk 50 (Capability Improvement)	P-40a***		- / 0.000	- / -	- / -	- / -	- / -	- / -
2 / MTS-B HD (Capability Improvement)	P-40a***		- / 22.739	- / -	- / -	- / -	- / -	- / -
3 / IP Migration (Capability Improvement)	P-40a***		- / 29.290	- / -	- / 3.130	- / -	- / -	- / -
4 / Communication Enhancements (Capability Improvement)	P-40a***		- / -	- / -	- / 1.452	- / 1.140	- / -	- / 1.140
5 / Technology Insertion (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
6 / MQ-9 Low Cost Mods (Reliability & Maintainability)	P-40a***		- / 0.000	- / 2.000	- / 2.000	- / 2.000	- / -	- / 2.000
9151 / Block 5 (Capability Improvement)	P-3a		- / 0.000	- / -	- / -	- / 14.778	- / -	- / 14.778
9152 / MQ-9 Field (Capability Improvement)	P-3a		- / 118.665	- / 29.899	- / 20.167	- / 9.941	- / -	- / 9.941
9154 / Lynx SAR (Capability Improvement)	P-3a		- / -	- / -	- / 44.536	- / 33.524	- / -	- / 33.524
9155 / GCS Blk 30 (Capability Improvement)	P-3a		- / 65.633	- / -	- / 24.106	- / 19.406	- / -	- / 19.406
9159 / R&M enhancements (Reliability & Maintainability)	P-3a		- / -	- / 9.241	- / 16.914	- / 13.717	- / -	- / 13.717
9164 / Extended Range MQ-9 (Capability Improvement)	P-3a		- / 65.780	- / 17.830	- / 43.140	- / 20.720	- / 69.000	- / 89.720
Total Gross/Weapon System Cost			- / 302.107	- / 58.970	- / 155.445	- / 115.226	- / 69.000	- / 184.226

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / GCS Blk 50 (Capability Improvement)	P-40a***		- / 42.801	- / 30.010	- / 56.402	- / 77.889	- / 240.187	- / 447.289
2 / MTS-B HD (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 22.739
3 / IP Migration (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 32.420
4 / Communication Enhancements (Capability Improvement)	P-40a***		- / 0.177	- / -	- / -	- / -	- / -	- / 2.769
5 / Technology Insertion (Capability Improvement)	P-40a***		- / -	- / -	- / 10.802	- / 33.663	- / -	- / 44.465
6 / MQ-9 Low Cost Mods (Reliability & Maintainability)	P-40a***		- / 2.000	- / 2.000	- / 2.000	- / 2.000	- / 38.000	- / 52.000
9151 / Block 5 (Capability Improvement)	P-3a		- / 28.644	- / 31.596	- / 31.072	- / 15.431	- / -	- / 121.521
9152 / MQ-9 Field (Capability Improvement)	P-3a		- / 11.599	- / 10.902	- / 10.679	- / 1.260	- / 1.280	- / 214.392
9154 / Lynx SAR (Capability Improvement)	P-3a		- / 32.369	- / 38.237	- / 20.476	- / -	- / -	- / 169.142
9155 / GCS Blk 30 (Capability Improvement)	P-3a		- / 10.964	- / 0.900	- / -	- / -	- / -	- / 121.009
9159 / R&M enhancements (Reliability & Maintainability)	P-3a		- / 6.390	- / 9.473	- / 10.858	- / 12.280	- / 48.430	- / 127.303
9164 / Extended Range MQ-9 (Capability Improvement)	P-3a		- / 72.950	- / 89.920	- / 107.560	- / 109.630	- / 96.086	- / 692.616
Total Gross/Weapon System Cost			- / 207.894	- / 213.038	- / 249.849	- / 252.153	- / 423.983	- / 2,047.665

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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

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

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0205219F	Other Related Program Elements: 0205219F
Line Item MDAP/MAIS Code: 424	Item MDAP/MAIS Code(s):	
Justification: Where applicable, justification for individual modifications is provided in the P-3A exhibits.		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS	Modification Number / Title: 9151 / Block 5
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	14.778	-	14.778	28.644	31.596	31.072	15.431	-	121.521
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	14.778	-	14.778	28.644	31.596	31.072	15.431	-	121.521
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	14.778	-	14.778	28.644	31.596	31.072	15.431	-	121.521

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

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

Description:

This modification is a portion of the retrofit program that upgrades MQ-9 aircraft from the Block 1 configuration to the Block 5 configuration and occurs at the Depot. Upgrades that are part of this modification include, but are not limited to, installing High Capacity Starter-Generator, Predator Primary Data Link (PPDL), Forward Avionics Bay Redesign, VORTEX Encrypted Datalink, and Mission Control Module/Payload Control Computer (MCM/PCC).

Block 5 mods is not a New Start in FY16. Block 5 mod funding requested/appropriated in FY15 is being applied toward additional Ground Station (GCS) mods to support emerging real world operational requirements.

Milestone/Development Status

MQ-9 Block 5 Critical Design Review (CDR) completed Apr 11. Block 5 is in flight test with 904.6 software release. Developmental Test will be completed July 2015. FOT&E is scheduled to occur June 2015 through February 2016.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS					Modification Number / Title: 9151 / Block 5			
Models of Systems Affected: MQ-9				Modification Type: Capability Improvement				Related RDT&E PEs: 0205219F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0205219F	- / -	- / 104.000	- / 148.598	- / 123.439	- / -	- / 123.439	- / 141.969	- / 149.301	- / 144.523	- / 157.023	- / -	- / 968.853	
Procurement													
Modification Item 1 of 1: Block 5													
A Kits													
Recurring													
Block 5:INSTALL KITS Group A (Active)	- / -	- / -	- / -	28 / 1.233	- / -	28 / 1.233	48 / 2.177	45 / 2.102	48 / 2.310	18 / 0.730	- / -	187 / 8.552	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.233	- / -	- / 1.233	- / 2.177	- / 2.102	- / 2.310	- / 0.730	- / -	- / 8.552	
B Kits													
Recurring													
Block 5:EQUIPMENT Group B (Active)	- / -	- / -	- / -	28 / 11.095	- / -	28 / 11.095	48 / 19.591	45 / 18.919	48 / 20.787	18 / 6.568	- / -	187 / 76.960	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 11.095	- / -	- / 11.095	- / 19.591	- / 18.919	- / 20.787	- / 6.568	- / -	- / 76.960	
<i>Subtotal: Block 5</i>	- / -	- / -	- / -	- / 12.328	- / -	- / 12.328	- / 21.768	- / 21.021	- / 23.097	- / 7.298	- / -	- / 85.512	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 12.328	- / -	- / 12.328	- / 21.768	- / 21.021	- / 23.097	- / 7.298	- / -	- / 85.512	
Support (All Modification Items)													
OTHER GOVT													
	- / -	- / -	- / -	- / 2.450	- / -	- / 2.450	- / 3.090	- / 3.890	- / 1.520	- / 1.040	- / -	- / 11.990	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 2.450	- / -	- / 2.450	- / 3.090	- / 3.890	- / 1.520	- / 1.040	- / -	- / 11.990	
Installation													
Modification Item 1 of 1: Block 5													
	- / -	- / -	- / -	- / -	- / -	- / -	28 / 3.786	48 / 6.685	45 / 6.455	48 / 7.093	- / -	169 / 24.019	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	28 / 3.786	48 / 6.685	45 / 6.455	48 / 7.093	- / -	169 / 24.019	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	14.778	-	14.778	28.644	31.596	31.072	15.431	-	121.521	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS	Modification Number / Title: 9151 / Block 5

Modification Item 1 of 1: Block 5

Manufacturer Information

Manufacturer Name: General Atomics ASI	Manufacturer Location: Poway, CA
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 18

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates			Jun 2017	Jun 2018	Jun 2019	Jun 2020	Jun 2021

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	28 / 3.786	- / -	- / -	- / -	- / -	28 / 3.786
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 6.685	- / -	- / -	- / -	48 / 6.685
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 6.455	- / -	- / -	45 / 6.455
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 7.093	- / -	48 / 7.093
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	28 / 3.786	48 / 6.685	45 / 6.455	48 / 7.093	- / -	169 / 24.019

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	12	12	12	12	12	12	12	9	12	12	12	12	-	169
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	12	12	12	12	12	12	12	9	12	12	12	12	-	169

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS					Modification Number / Title: 9152 / MQ-9 Field		

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	118.665	29.899	20.167	9.941	-	9.941	11.599	10.902	10.679	1.260	1.280	214.392
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	118.665	29.899	20.167	9.941	-	9.941	11.599	10.902	10.679	1.260	1.280	214.392
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	118.665	29.899	20.167	9.941	-	9.941	11.599	10.902	10.679	1.260	1.280	214.392

(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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification is a portion of the field retrofit program that upgrades Block 1 MQ-9 aircraft with enhanced capabilities and utilizes a field team to perform the modification. Upgrades that are part of this modification include High Definition (HD) aircraft upgrades, Bomb Release Units (BRU)-71 bomb racks, Heavyweight Main Landing Gear (HMLG), VORTEX encrypted datalink, Stores Management System (SMS), and Selective Availability Anti-Spoofing Module (SAASM). The associated costs reflect all costs associated with the multiple elements of the MQ-9 field retrofits.

Milestone/Development Status

Development complete.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS					Modification Number / Title: 9152 / MQ-9 Field			
Models of Systems Affected: MQ-9				Modification Type: Capability Improvement				Related RDT&E PEs: 0205219F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0205219F	- / 476.981	- / 104.000	- / 148.598	- / 123.439	- / -	- / 123.439	- / 141.969	- / 149.301	- / 144.523	- / 157.023	- / -	- / 1,445.834	
Procurement													
Modification Item 1 of 1: MQ-9 Field Mods													
A Kits													
Recurring													
MQ-9 Field Mods:INSTALL KITS Group A (Active)	84 / 11.835	26 / 2.772	32 / 9.827	32 / 0.540	- / -	32 / 0.540	26 / 0.867	- / -	- / -	- / -	- / -	200 / 25.841	
Subtotal: Recurring	- / 11.835	- / 2.772	- / 9.827	- / 0.540	- / -	- / 0.540	- / 0.867	- / -	- / -	- / -	- / -	- / 25.841	
B Kits													
Recurring													
MQ-9 Field Mods:EQUIPMENT Group B (Active)	84 / 106.340	26 / 23.147	- / -	26 / 4.861	- / -	26 / 4.861	26 / 7.802	19 / 7.032	19 / 7.999	- / -	- / -	200 / 157.181	
Subtotal: Recurring	- / 106.340	- / 23.147	- / -	- / 4.861	- / -	- / 4.861	- / 7.802	- / 7.032	- / 7.999	- / -	- / -	- / 157.181	
Subtotal: MQ-9 Field Mods	- / 118.175	- / 25.919	- / 9.827	- / 5.401	- / -	- / 5.401	- / 8.669	- / 7.032	- / 7.999	- / -	- / -	- / 183.022	
Subtotal: Procurement, All Modification Items	- / 118.175	- / 25.919	- / 9.827	- / 5.401	- / -	- / 5.401	- / 8.669	- / 7.032	- / 7.999	- / -	- / -	- / 183.022	
Support (All Modification Items)													
OTHER GOVT	- / 0.490	- / 2.180	- / 7.460	- / 1.650	- / -	- / 1.650	- / 1.250	- / 1.340	- / 0.330	- / -	- / -	- / 14.700	
Subtotal: Support	- / 0.490	- / 2.180	- / 7.460	- / 1.650	- / -	- / 1.650	- / 1.250	- / 1.340	- / 0.330	- / -	- / -	- / 14.700	
Installation													
Modification Item 1 of 1: MQ-9 Field Mods	- / -	20 / 1.800	32 / 2.880	32 / 2.890	- / -	32 / 2.890	24 / 1.680	28 / 2.530	26 / 2.350	19 / 1.260	19 / 1.280	200 / 16.670	
Subtotal: Installation	- / -	20 / 1.800	32 / 2.880	32 / 2.890	- / -	32 / 2.890	24 / 1.680	28 / 2.530	26 / 2.350	19 / 1.260	19 / 1.280	200 / 16.670	
Total													
Total Cost (Procurement + Support + Installation)	118.665	29.899	20.167	9.941	-	9.941	11.599	10.902	10.679	1.260	1.280	214.392	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS	Modification Number / Title: 9152 / MQ-9 Field

Modification Item 1 of 1: MQ-9 Field Mods

Manufacturer Information

Manufacturer Name: General Atomics-ASI	Manufacturer Location: Poway, CA
Administrative Leadtime (in Months): 8	Production Leadtime (in Months): 14

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

Installation Information

Method of Implementation: Depot Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	20 / 1.800	32 / 2.880	32 / 2.890	- / -	32 / 2.890	- / -	- / -	- / -	- / -	- / -	84 / 7.570
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	24 / 1.680	2 / 0.180	- / -	- / -	- / -	26 / 1.860
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 2.350	- / -	- / -	- / -	26 / 2.350
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 2.350	- / -	- / -	26 / 2.350
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 1.260	- / -	19 / 1.260
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 1.280	19 / 1.280
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	20 / 1.800	32 / 2.880	32 / 2.890	- / -	32 / 2.890	24 / 1.680	28 / 2.530	26 / 2.350	19 / 1.260	19 / 1.280	200 / 16.670

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	7	7	6	8	8	8	8	8	8	8	8	-	8	8	8	7	7	7	7	7	7	6	6	5	5	5	4	19	200
Out	0	-	7	7	6	8	8	8	8	8	8	8	8	-	8	8	8	7	7	7	7	7	7	6	6	5	5	5	4	19	200

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS	Modification Number / Title: 9154 / Lynx SAR
---	--	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	44.536	33.524	-	33.524	32.369	38.237	20.476	-	-	169.142
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	44.536	33.524	-	33.524	32.369	38.237	20.476	-	-	169.142
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	44.536	33.524	-	33.524	32.369	38.237	20.476	-	-	169.142

(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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This effort will retrofit 110 aircraft fielded with Lynx Block 20 Synthetic Aperture Radar (SAR) to the Block 20A SAR configuration. The Lynx Block 20A SAR will enhance fielded capability, improve reliability and maintainability, provide ability to locate and track dismounted targets, allow for future growth of capabilities, and resolve Diminishing Manufacturing Source (DMS) issues with the fielded Lynx Block 20 SARs.

Milestone/Development Status

Lynx Block 20A SAR has completed development. The initial Dismount Moving Target Indicator (DMTI) software was released in Jun 11 and began characterization during manned surrogate flights in Aug/Sep 11. The DMTI software finished Development Testing in December 2013 with fielding anticipated in 2015.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS					Modification Number / Title: 9154 / Lynx SAR			
Models of Systems Affected: MQ-9				Modification Type: Capability Improvement				Related RDT&E PEs: 0205219F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0205219F	- / -	- / -	- / 148.598	- / 123.439	- / -	- / 123.439	- / 141.969	- / 149.301	- / 144.523	- / 157.023	- / -	- / 864.853	
Procurement													
<i>Modification Item 1 of 1: Lynx SAR</i>													
A Kits													
Recurring													
Lynx SAR:INSTALL KITS Group A (Active)	- / -	- / -	24 / 2.806	24 / 2.796	- / -	24 / 2.796	24 / 2.887	24 / 3.353	14 / 2.015	- / -	- / -	110 / 13.857	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 2.806	- / 2.796	- / -	- / 2.796	- / 2.887	- / 3.353	- / 2.015	- / -	- / -	- / 13.857	
B Kits													
Recurring													
Lynx SAR:EQUIPMENT Group B (Active)	- / -	- / -	24 / 25.250	24 / 25.168	- / -	24 / 25.168	24 / 25.982	24 / 30.174	14 / 18.131	- / -	- / -	110 / 124.705	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 25.250	- / 25.168	- / -	- / 25.168	- / 25.982	- / 30.174	- / 18.131	- / -	- / -	- / 124.705	
<i>Subtotal: Lynx SAR</i>	- / -	- / -	- / 28.056	- / 27.964	- / -	- / 27.964	- / 28.869	- / 33.527	- / 20.146	- / -	- / -	- / 138.562	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 28.056	- / 27.964	- / -	- / 27.964	- / 28.869	- / 33.527	- / 20.146	- / -	- / -	- / 138.562	
Support (All Modification Items)													
Change Orders	- / -	- / -	- / 1.180	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.180	
Data	- / -	- / -	- / 1.870	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.870	
SIM/TRAINER	- / -	- / -	- / 4.320	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.320	
SUPPORT-EQUIP	- / -	- / -	- / 3.380	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.380	
OTHER GOVT	- / -	- / -	- / 15.730	- / 15.560	- / -	- / 15.560	- / 3.500	- / 4.710	- / 0.330	- / -	- / -	- / 19.830	
<i>Subtotal: Support</i>	- / -	- / -	- / 16.480	- / 15.560	- / -	- / 15.560	- / 3.500	- / 4.710	- / 0.330	- / -	- / -	- / 30.580	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	44.536	33.524	-	33.524	32.369	38.237	20.476	-	-	169.142	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS	Modification Number / Title: 9154 / Lynx SAR
---	--	--

Modification Item 1 of 1: Lynx SAR

Manufacturer Information

Manufacturer Name: General Atomics-ASI	Manufacturer Location: Poway, CA
--	----------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 0
---	---------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS	Modification Number / Title: 9155 / GCS Blk 30
---	--	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	65.633	-	24.106	19.406	-	19.406	10.964	0.900	-	-	-	121.009
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	65.633	-	24.106	19.406	-	19.406	10.964	0.900	-	-	-	121.009
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	65.633	-	24.106	19.406	-	19.406	10.964	0.900	-	-	-	121.009

(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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Ground Control Station (GCS) Block 30 modernization retrofit program upgrades the Fixed and Mobile GCS with new Linux processors, high definition displays, ergonomic improvements and added Predator Primary Data Link (PPDL) and 2nd ARC-210 radio capabilities. Through an incremental approach, GCS modernization retrofits the legacy system with user-prioritized capabilities, to include significant Human-Machine Interface (HMI) improvements and reliability and maintenance enhancements. Unit costs vary due to the mix of fixed and mobile retrofits, which have varying costs.

Milestone/Development Status

GCS Block 30 Critical Design Review completed Apr 11.

Test and evaluation was completed Jun 13

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS					Modification Number / Title: 9155 / GCS Blk 30			
Models of Systems Affected: MQ-9				Modification Type: Capability Improvement				Related RDT&E PEs: 0205219F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0205219F	- / 476.981	- / 104.000	- / 148.598	- / 123.439	- / -	- / 123.439	- / 141.969	- / 149.301	- / 144.523	- / 157.023	- / -	- / 1,445.834	
Procurement													
Modification Item 1 of 1: GCS Block 30													
A Kits													
Recurring													
GCS Block 30:INSTALL KITS Group A (Active)	39 / 6.417	- / -	15 / 1.519	18 / 1.619	- / -	18 / 1.619	12 / 0.978	- / -	- / -	- / -	- / -	84 / 10.533	
Subtotal: Recurring	- / 6.417	- / -	- / 1.519	- / 1.619	- / -	- / 1.619	- / 0.978	- / -	- / -	- / -	- / -	- / 10.533	
B Kits													
Recurring													
GCS Block 30:EQUIPMENT Group B (Active)	39 / 53.859	- / -	15 / 13.667	18 / 14.567	- / -	18 / 14.567	12 / 7.206	- / -	- / -	- / -	- / -	84 / 89.299	
Subtotal: Recurring	- / 53.859	- / -	- / 13.667	- / 14.567	- / -	- / 14.567	- / 7.206	- / -	- / -	- / -	- / -	- / 89.299	
Subtotal: GCS Block 30	- / 60.276	- / -	- / 15.186	- / 16.186	- / -	- / 16.186	- / 8.184	- / -	- / -	- / -	- / -	- / 99.832	
Subtotal: Procurement, All Modification Items	- / 60.276	- / -	- / 15.186	- / 16.186	- / -	- / 16.186	- / 8.184	- / -	- / -	- / -	- / -	- / 99.832	
Support (All Modification Items)													
Change Orders	- / 1.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.210	
OTHER GOVT	- / 0.247	- / -	- / 8.520	- / 1.620	- / -	- / 1.620	- / 1.180	- / -	- / -	- / -	- / -	- / 11.567	
Subtotal: Support	- / 1.457	- / -	- / 8.520	- / 1.620	- / -	- / 1.620	- / 1.180	- / -	- / -	- / -	- / -	- / 12.777	
Installation													
Modification Item 1 of 1: GCS Block 30	39 / 3.900	- / -	4 / 0.400	16 / 1.600	- / -	16 / 1.600	16 / 1.600	9 / 0.900	- / -	- / -	- / -	84 / 8.400	
Subtotal: Installation	39 / 3.900	- / -	4 / 0.400	16 / 1.600	- / -	16 / 1.600	16 / 1.600	9 / 0.900	- / -	- / -	- / -	84 / 8.400	
Total													
Total Cost (Procurement + Support + Installation)	65.633	-	24.106	19.406	-	19.406	10.964	0.900	-	-	-	121.009	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS	Modification Number / Title: 9159 / R&M enhancements
---	--	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	9.241	16.914	13.717	-	13.717	6.390	9.473	10.858	12.280	48.430	127.303
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	9.241	16.914	13.717	-	13.717	6.390	9.473	10.858	12.280	48.430	127.303
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	9.241	16.914	13.717	-	13.717	6.390	9.473	10.858	12.280	48.430	127.303
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The purpose of this effort is to enable reliability and maintainability (R&M) modification for the MQ-9 aircraft, sensor payloads, Ground Control Station (GCS), and Primary Mission Aircrew Training System (PMATS) to improve component mean time between failure and maintenance action rate requirements driving down system sustainability cost over time. Current examples include, but are not limited to, improved fuel bladders, fuel pumps, and wing sump boxes, and, potentially, improved oil system sampling, new battery junction box, angle of attack probe, Ruggedized Aircraft Maintenance Test System (RAMTS) and improved power inverter. This effort address R&M issues identified by the Joint Reliability and Maintainability Evaluation Team (JRMET) and CAT I deficiency reports.

Under this effort the contractor will provide for the manufacture, installation, and acceptance test of reliability and maintainability modification on MQ-9 aircraft and ground based systems. R&M installations will be completed by organic manpower.

Milestone/Development Status

The MQ-9 program will continue to develop, test and recommend reliability, maintainability, availability, sustainability and safety enhancements and solutions for implementation on the MQ-9 platform and ground based systems in an effort to improve aircraft and payload availability and reduce lifecycle costs.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS					Modification Number / Title: 9159 / R&M enhancements			
Models of Systems Affected: MQ-9				Modification Type: Reliability & Maintainability				Related RDT&E PEs: 0205219F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0205219F	- / -	- / 104.000	- / 148.598	- / 123.439	- / -	- / 123.439	- / 141.969	- / 149.301	- / 144.523	- / 157.023	- / -	- / 968.853	
Procurement													
<i>Modification Item 1 of 1: R&M Enhancements</i>													
A Kits													
Recurring													
R&M Enhancements:INSTALL KITS Group A (Active)	- / -	- / 0.842	- / 0.992	- / 0.674	- / -	- / 0.674	- / 0.548	- / 0.807	- / 1.074	- / 0.319	- / 4.470	- / 9.726	
<i>Subtotal: Recurring</i>	- / -	- / 0.842	- / 0.992	- / 0.674	- / -	- / 0.674	- / 0.548	- / 0.807	- / 1.074	- / 0.319	- / 4.470	- / 9.726	
B Kits													
Recurring													
R&M Enhancements:EQUIPMENT Group B (Active)	- / -	1 / 7.578	1 / 8.928	1 / 6.066	- / -	1 / 6.066	1 / 4.932	1 / 7.263	1 / 9.666	1 / 2.871	2 / 40.230	9 / 87.534	
<i>Subtotal: Recurring</i>	- / -	- / 7.578	- / 8.928	- / 6.066	- / -	- / 6.066	- / 4.932	- / 7.263	- / 9.666	- / 2.871	- / 40.230	- / 87.534	
<i>Subtotal: R&M Enhancements</i>	- / -	- / 8.420	- / 9.920	- / 6.740	- / -	- / 6.740	- / 5.480	- / 8.070	- / 10.740	- / 3.190	- / 44.700	- / 97.260	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 8.420	- / 9.920	- / 6.740	- / -	- / 6.740	- / 5.480	- / 8.070	- / 10.740	- / 3.190	- / 44.700	- / 97.260	
Support (All Modification Items)													
OTHER GOVT	- / -	- / 0.821	- / 6.994	- / 6.977	- / -	- / 6.977	- / 0.910	- / 1.403	- / 0.118	- / 9.090	- / 3.730	- / 30.043	
<i>Subtotal: Support</i>	- / -	- / 0.821	- / 6.994	- / 6.977	- / -	- / 6.977	- / 0.910	- / 1.403	- / 0.118	- / 9.090	- / 3.730	- / 30.043	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	9.241	16.914	13.717	-	13.717	6.390	9.473	10.858	12.280	48.430	127.303	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS	Modification Number / Title: 9159 / R&M enhancements
---	--	--

Modification Item 1 of 1: R&M Enhancements

Manufacturer Information

Manufacturer Name: General Atomics ASI	Manufacturer Location: Poway CA
--	---------------------------------

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
--	-------------------------------------

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

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 9
---	---------------------------------

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS				Modification Number / Title: 9164 / Extended Range MQ-9				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	65.780	17.830	43.140	20.720	69.000	89.720	72.950	89.920	107.560	109.630	96.086	692.616
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	65.780	17.830	43.140	20.720	69.000	89.720	72.950	89.920	107.560	109.630	96.086	692.616
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	65.780	17.830	43.140	20.720	69.000	89.720	72.950	89.920	107.560	109.630	96.086	692.616
<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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program includes extending the range capability for the MQ-9 weapon system through aircraft modifications. Candidate aircraft modifications include external fuel tanks, new wings and tail, shipping containers, engine modifications, fuel system modifications, 4-blade propeller, and software modifications. Current plan is to modify all MQ-9 aircraft to Extended Range configuration.

FY16 OCO funds are requested to procure and install 36 Block 1 aircraft Extended Range kits. Due to production lead time, installation will occur in FY18 as reflected in the schedule. Installation costs (\$8.2M) are combined with Other Government Costs in the FY16 OCO. Therefore, the installation cost for the 36 OCO kits appears to be zero.

Milestone/Development Status

The Air Force will deliver a limited number of modified Block 1 Extended Range (ER) a/c by March 2015 to meet a Joint Urgent Operational Need (JUON). The remaining Block 1 a/c are programmed to be modified to ER configuration. Block 5 aircraft ER configuration is in development.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS					Modification Number / Title: 9164 / Extended Range MQ-9			
Models of Systems Affected: MQ-9				Modification Type: Capability Improvement				Related RDT&E PEs: 0205219F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0205219F	- / 237.612	- / 104.000	- / 148.598	- / 123.439	- / -	- / 123.439	- / 141.969	- / 149.301	- / 144.523	- / 157.023	- / -	- / 1,206.465	
Procurement													
Modification Item 1 of 1: Extended Range MQ-9													
A Kits													
Recurring													
Extended Range MQ-9:INSTALL KITS Group A (Active)	44 / 6.242	3 / 0.102	23 / 2.578	- / -	36 / 4.494	36 / 4.494	36 / 4.826	47 / 6.414	48 / 6.623	48 / 6.443	49 / 6.778	334 / 44.500	
Subtotal: Recurring	- / 6.242	- / 0.102	- / 2.578	- / -	- / 4.494	- / 4.494	- / 4.826	- / 6.414	- / 6.623	- / 6.443	- / 6.778	- / 44.500	
B Kits													
Recurring													
Extended Range MQ-9:EQUIPMENT Group B (Active)	44 / 56.178	3 / 0.918	23 / 23.202	- / -	36 / 40.446	36 / 40.446	36 / 43.434	47 / 57.726	48 / 59.607	48 / 57.987	49 / 61.002	334 / 400.500	
Subtotal: Recurring	- / 56.178	- / 0.918	- / 23.202	- / -	- / 40.446	- / 40.446	- / 43.434	- / 57.726	- / 59.607	- / 57.987	- / 61.002	- / 400.500	
Subtotal: Extended Range MQ-9	- / 62.420	- / 1.020	- / 25.780	- / -	- / 44.940	- / 44.940	- / 48.260	- / 64.140	- / 66.230	- / 64.430	- / 67.780	- / 445.000	
Subtotal: Procurement, All Modification Items	- / 62.420	- / 1.020	- / 25.780	- / -	- / 44.940	- / 44.940	- / 48.260	- / 64.140	- / 66.230	- / 64.430	- / 67.780	- / 445.000	
Support (All Modification Items)													
GFP	- / -	- / -	- / -	- / -	- / 17.724	- / 17.724	- / -	- / -	- / -	- / -	- / -	- / 17.724	
OTHER GOVT	- / 3.360	- / 1.300	- / 15.960	- / 16.857	- / 16.336	- / 33.193	- / 23.614	- / 19.948	- / 31.497	- / 35.206	- / 4.650	- / 168.728	
Subtotal: Support	- / 3.360	- / 1.300	- / 15.960	- / 16.857	- / 24.060	- / 40.917	- / 23.614	- / 19.948	- / 31.497	- / 35.206	- / 4.650	- / 176.452	
Installation													
Modification Item 1 of 1: Extended Range MQ-9	- / -	44 / 15.510	3 / 1.400	18 / 3.863	- / -	18 / 3.863	32 / 1.076	36 / 5.832	45 / 9.833	47 / 9.994	109 / 23.656	334 / 71.164	
Subtotal: Installation	- / -	44 / 15.510	3 / 1.400	18 / 3.863	- / -	18 / 3.863	32 / 1.076	36 / 5.832	45 / 9.833	47 / 9.994	109 / 23.656	334 / 71.164	
Total													
Total Cost (Procurement + Support + Installation)	65.780	17.830	43.140	20.720	69.000	89.720	72.950	89.920	107.560	109.630	96.086	692.616	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 MODS	Modification Number / Title: 9164 / Extended Range MQ-9

Modification Item 1 of 1: Extended Range MQ-9

Manufacturer Information

Manufacturer Name: General Atomics - ASI	Manufacturer Location: Poway, CA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 13

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

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	44 / 15.510	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 15.510
FY 2014	- / -	- / -	3 / 1.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.400
FY 2015	- / -	- / -	- / -	18 / 3.863	- / -	18 / 3.863	5 / 1.076	- / -	- / -	- / -	- / -	23 / 4.939
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	27 / -	9 / -	- / -	- / -	- / -	36 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 5.832	9 / 1.944	- / -	- / -	36 / 7.776
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 7.889	11 / 2.411	- / -	47 / 10.300
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 7.583	12 / 2.528	48 / 10.111
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 10.485	48 / 10.485
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	49 / 10.643	49 / 10.643
Total	- / -	44 / 15.510	3 / 1.400	18 / 3.863	- / -	18 / 3.863	32 / 1.076	36 / 5.832	45 / 9.833	47 / 9.994	109 / 23.656	334 / 71.164

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	44	-	3	-	-	-	6	6	6	5	9	9	9	9	9	9	9	9	9	12	12	12	11	12	12	109	334
Out	0	-	-	-	-	44	3	-	-	-	6	6	6	5	9	9	9	9	9	9	9	9	9	12	12	12	11	12	12	109	334

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED