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**Department of Defense  
Fiscal Year (FY) 2017 Request for Additional Appropriations**

March 2017



**Air Force**

*Justification Book Volume 1 of 1*

***Aircraft Procurement, Air Force***

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Air Force • Request for Additional Appropriations FY 2017 • Procurement

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Department of the Air Force  
 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Total Obligational Authority 08 Mar 2017  
 (Dollars in Thousands)

Appropriation -----	FY 2017 Remaining PB Request OCO -----	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO -----	FY 2017 Mar Amended Request Base+OCO -----	FY 2017 PB Remaining Base+OCO -----
Aircraft Procurement, Air Force	932,499	14,782,316	1,920,620	16,702,936
Missile Procurement, Air Force	255,645	2,682,266		2,682,266
Space Procurement, Air Force		3,055,743	19,900	3,075,643
Procurement of Ammunition, Air Force	285,845	1,963,564	70,000	2,033,564
Other Procurement, Air Force	4,269,994	21,134,337	1,721,745	22,856,082
Total Department of the Air Force	5,743,983	43,618,226	3,732,265	47,350,491

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Department of the Air Force  
 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Total Obligational Authority (OCO) 08 Mar 2017  
 (Dollars in Thousands)

Appropriation: Aircraft Procurement, Air Force

Budget Activity -----	FY 2017 PB Request Base -----	FY 2017 Mar Amended Request Base -----	FY 2017 Revised PB Request Base -----	FY 2017 PB Request OCO -----
01. Combat Aircraft	4,806,394	595,500	5,401,894	
02. Airlift Aircraft	3,966,180	500,000	4,466,180	73,000
04. Other Aircraft	271,118		271,118	453,030
05. Modification of Inservice Aircraft	2,504,954	461,600	2,966,554	299,369
06. Aircraft Spares and Repair Parts	686,491	95,000	781,491	25,600
07. Aircraft Supt Equipment & Facilities	1,687,780	195,420	1,883,200	8,400
Total Aircraft Procurement, Air Force	13,922,917	1,847,520	15,770,437	859,399

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 Total Obligational Authority  
 (Dollars in Thousands) 08 Mar 2017

Appropriation: Aircraft Procurement, Air Force

Budget Activity -----	FY 2017 Nov Amended Request OCO -----	FY 2017 Mar Amended Request OCO -----	FY 2017 Total OCO Request -----	FY 2017 Less Enacted Div.B,P.L. 114-254 OCO -----
01. Combat Aircraft				
02. Airlift Aircraft			73,000	
04. Other Aircraft			453,030	
05. Modification of Inservice Aircraft		29,800	329,169	
06. Aircraft Spares and Repair Parts			25,600	
07. Aircraft Supt Equipment & Facilities		43,300	51,700	
Total Aircraft Procurement, Air Force		73,100	932,499	

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 (Dollars in Thousands) 08 Mar 2017

Appropriation: Aircraft Procurement, Air Force

Budget Activity	FY 2017 Remaining PB Request OCO	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO	FY 2017 Mar Amended Request Base+OCO	FY 2017 PB Remaining Base+OCO
-----	-----	-----	-----	-----
01. Combat Aircraft		4,806,394	595,500	5,401,894
02. Airlift Aircraft	73,000	4,039,180	500,000	4,539,180
04. Other Aircraft	453,030	724,148		724,148
05. Modification of Inservice Aircraft	329,169	2,804,323	491,400	3,295,723
06. Aircraft Spares and Repair Parts	25,600	712,091	95,000	807,091
07. Aircraft Supt Equipment & Facilities	51,700	1,696,180	238,720	1,934,900
Total Aircraft Procurement, Air Force	932,499	14,782,316	1,920,620	16,702,936

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 Total Obligational Authority  
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		FY 2017 PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Combat Aircraft											
Tactical Forces											
1	F-35	A	43	(4,862,154)	5	(595,500)	48	(5,457,654)			U
	Less: Advance Procurement (PY)			(-460,260)				(-460,260)			U
				4,401,894		595,500		4,997,394			
2	F-35			404,500				404,500			U
	Advance Procurement (CY)			(404,500)				(404,500)			
	C (FY 2017 for FY 2018) (M)										
Total Combat Aircraft				4,806,394		595,500		5,401,894			
Budget Activity 02: Airlift Aircraft											
Tactical Airlift											
3	KC-46A Tanker	A	15	2,884,591			15	2,884,591			U
Other Airlift											
4	C-130J	A	2	(203,655)			2	(203,655)	1	(73,000)	U
	Less: Advance Procurement (PY)			(-58,000)				(-58,000)			U
				145,655				145,655		73,000	
5	HC-130J	A	3	(359,576)	1	(100,000)	4	(459,576)			U

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Less: Advance Procurement (PY)	(-42,000)	-----	(-42,000)	-----	U
	317,576	100,000	417,576		
6 HC-130J					
Advance Procurement (CY)	20,000		20,000		U
C (FY 2017 for FY 2018) (M)	(20,000)		(20,000)		

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 (Dollars in Thousands) 08 Mar 2017

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Combat Aircraft											
Tactical Forces											
1	F-35	A									U
	Less: Advance Procurement (PY)										U
2	F-35										U
	Advance Procurement (CY)										U
	C (FY 2017 for FY 2018) (M)										
Total Combat Aircraft											
Budget Activity 02: Airlift Aircraft											
Tactical Airlift											
3	KC-46A Tanker	A									U
Other Airlift											
4	C-130J	A					1	(73,000)			U
	Less: Advance Procurement (PY)										U
								73,000			
5	HC-130J	A									U

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Less: Advance Procurement (PY)

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U

6 HC-130J

Advance Procurement (CY)

C (FY 2017 for FY 2018) (M)

U

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Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 Remaining PB Request OCO		FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Combat Aircraft											
Tactical Forces											
1	F-35	A			43	(4,862,154)	5	(595,500)	48	(5,457,654)	U
	Less: Advance Procurement (PY)					(-460,260)				(-460,260)	U
						4,401,894		595,500		4,997,394	
2	F-35					404,500				404,500	U
	Advance Procurement (CY)					(404,500)				(404,500)	
	C (FY 2017 for FY 2018) (M)										
Total Combat Aircraft						4,806,394		595,500		5,401,894	
Budget Activity 02: Airlift Aircraft											
Tactical Airlift											
3	KC-46A Tanker	A			15	2,884,591			15	2,884,591	U
Other Airlift											
4	C-130J	A	1	(73,000)	3	(276,655)			3	(276,655)	U
	Less: Advance Procurement (PY)					(-58,000)				(-58,000)	U
				73,000		218,655				218,655	
5	HC-130J	A			3	(359,576)	1	(100,000)	4	(459,576)	U

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Less: Advance Procurement (PY)	-----	(-42,000)	-----	(-42,000) U
		317,576	100,000	417,576
6 HC-130J				
Advance Procurement (CY)		20,000		20,000 U
C (FY 2017 for FY 2018) (M)		(20,000)		(20,000)

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		FY 2017 PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
7	MC-130J	A	6	(628,358)	4	(400,000)	10	(1,028,358)			U
	Less: Advance Procurement (PY)			(-80,000)				(-80,000)			U
				548,358		400,000		948,358			
8	MC-130J			50,000				50,000			U
	Advance Procurement (CY)			(50,000)				(50,000)			
	C (FY 2017 for FY 2018) (M)										
Total Airlift Aircraft				3,966,180		500,000		4,466,180		73,000	
Budget Activity 04: Other Aircraft											
-----											
Helicopters											
9	UUH-1N Replacement			18,337				18,337			U
Mission Support Aircraft											
10	Civil Air Patrol A/C	A	6	2,637			6	2,637			U
Other Aircraft											
11	Target Drones	A	41	114,656			41	114,656			U
12	RQ-4	A		12,966				12,966			U
13	MQ-9	A		122,522				122,522	24	453,030	U
Total Other Aircraft				271,118				271,118		453,030	

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Budget Activity 05: Modification of Inservice Aircraft  
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Strategic Aircraft

14 B-2A	A	46,729	46,729	U
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Line No	Item Nomenclature	Ident Code	FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
7	MC-130J Less: Advance Procurement (PY)	A									U U
8	MC-130J Advance Procurement (CY) C (FY 2017 for FY 2018) (M)										U
Total Airlift Aircraft								73,000			
Budget Activity 04: Other Aircraft											
-----											
Helicopters											
9	UUH-1N Replacement										U
Mission Support Aircraft											
10	Civil Air Patrol A/C	A									U
Other Aircraft											
11	Target Drones	A									U
12	RQ-4	A									U
13	MQ-9	A					24	453,030			U
Total Other Aircraft								453,030			

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Budget Activity 05: Modification of Inservice Aircraft  
-----

Strategic Aircraft

14 B-2A A U

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Line No	Item Nomenclature	Ident Code	FY 2017 Remaining PB Request OCO		FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
7	MC-130J	A			6	(628,358)	4	(400,000)	10	(1,028,358)	U
	Less: Advance Procurement (PY)					(-80,000)				(-80,000)	U
						548,358		400,000		948,358	
8	MC-130J					50,000				50,000	U
	Advance Procurement (CY)					(50,000)				(50,000)	U
	C (FY 2017 for FY 2018) (M)										
Total Airlift Aircraft				73,000		4,039,180		500,000		4,539,180	
Budget Activity 04: Other Aircraft											
-----											
Helicopters											
9	UUH-1N Replacement					18,337				18,337	U
Mission Support Aircraft											
10	Civil Air Patrol A/C	A			6	2,637			6	2,637	U
Other Aircraft											
11	Target Drones	A			41	114,656			41	114,656	U
12	RQ-4	A				12,966				12,966	U
13	MQ-9	A	24	453,030	24	575,552			24	575,552	U
Total Other Aircraft				453,030		724,148				724,148	

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Budget Activity 05: Modification of Inservice Aircraft

-----

Strategic Aircraft

14 B-2A	A	46,729	46,729 U
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Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		FY 2017 PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
15	B-1B	A		116,319		34,000		150,319			U
16	B-52	A		109,020				109,020			U
17	Large Aircraft Infrared Countermeasures	A							135,801		U
Tactical Aircraft											
18	A-10	A		1,289		38,500		39,789		23,850	U
19	F-15	A		105,685				105,685			U
20	F-16	A		97,331		160,000		257,331			U
21	F-22A	A		163,008				163,008			U
22	F-35 Modifications	A		175,811				175,811			U
23	Increment 3.2b			76,410				76,410			U
24	Increment 3.2b										
	Advance Procurement (CY)			2,000				2,000			U
	C (FY 2017 for FY 2018) (M)			(2,000)				(2,000)			
Airlift Aircraft											
25	C-5	A		24,192				24,192			U
26	C-17A	A		21,555				21,555			U
27	C-21	A		5,439				5,439			U

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28 C-32A	A	35,235	35,235	U
29 C-37A	A	5,004	5,004	U

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Line No	Item Nomenclature	Ident Code	FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
15	B-1B	A									U
16	B-52	A									U
17	Large Aircraft Infrared Countermeasures	A						135,801			U
	Tactical Aircraft										
18	A-10	A						23,850			U
19	F-15	A									U
20	F-16	A									U
21	F-22A	A									U
22	F-35 Modifications	A									U
23	Increment 3.2b										U
24	Increment 3.2b Advance Procurement (CY) C (FY 2017 for FY 2018) (M)										U
	Airlift Aircraft										
25	C-5	A									U
26	C-17A	A									U
27	C-21	A									U

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28 C-32A	A	U
29 C-37A	A	U

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Line No	Item Nomenclature	Ident Code	FY 2017 Remaining PB Request OCO		FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
15	B-1B	A				116,319		34,000		150,319	U
16	B-52	A				109,020				109,020	U
17	Large Aircraft Infrared Countermeasures	A		135,801		135,801				135,801	U
	Tactical Aircraft										
18	A-10	A		23,850		25,139		38,500		63,639	U
19	F-15	A				105,685				105,685	U
20	F-16	A				97,331		160,000		257,331	U
21	F-22A	A				163,008				163,008	U
22	F-35 Modifications	A				175,811				175,811	U
23	Increment 3.2b					76,410				76,410	U
24	Increment 3.2b Advance Procurement (CY) C (FY 2017 for FY 2018) (M)					2,000 (2,000)				2,000 (2,000)	U
	Airlift Aircraft										
25	C-5	A				24,192				24,192	U
26	C-17A	A				21,555				21,555	U
27	C-21	A				5,439				5,439	U

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28 C-32A	A	35,235	35,235 U
29 C-37A	A	5,004	5,004 U

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 (Dollars in Thousands) 08 Mar 2017

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		FY 2017 PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Trainer Aircraft											
30	Glider Mods	A		394				394			U
31	T-6	A		12,765				12,765			U
32	T-1	A		25,073				25,073			U
33	T-38	A		45,090				45,090			U
Other Aircraft											
34	U-2 Mods	A		36,074				36,074			U
35	KC-10A (ATCA)	A		4,570				4,570			U
36	C-12	A		1,995				1,995			U
37	VC-25A Mod	A		102,670				102,670			U
38	C-40	A		13,984				13,984			U
39	C-130	A		9,168		137,000		146,168			U
40	C-130J Mods	A		89,424				89,424			U
41	C-135	A		64,161				64,161			U
42	Compass Call Mods	A		130,257		52,600		182,857			U
43	RC-135	A		211,438				211,438			U

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44 E-3	A	82,786		82,786	6,600	U
45 E-4	A	53,348		53,348		U
46 E-8	A	6,244	3,000	9,244		U

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 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Trainer Aircraft											
30	Glider Mods	A									U
31	T-6	A									U
32	T-1	A									U
33	T-38	A									U
Other Aircraft											
34	U-2 Mods	A									U
35	KC-10A (ATCA)	A									U
36	C-12	A									U
37	VC-25A Mod	A									U
38	C-40	A									U
39	C-130	A									U
40	C-130J Mods	A									U
41	C-135	A									U
42	Compass Call Mods	A				29,800		29,800			U
43	RC-135	A									U

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44 E-3	A	6,600	U
45 E-4	A		U
46 E-8	A		U

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Department of the Air Force  
 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
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 Total Obligational Authority  
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 Remaining PB Request OCO		FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Trainer Aircraft											
30	Glider Mods	A				394				394	U
31	T-6	A				12,765				12,765	U
32	T-1	A				25,073				25,073	U
33	T-38	A				45,090				45,090	U
Other Aircraft											
34	U-2 Mods	A				36,074				36,074	U
35	KC-10A (ATCA)	A				4,570				4,570	U
36	C-12	A				1,995				1,995	U
37	VC-25A Mod	A				102,670				102,670	U
38	C-40	A				13,984				13,984	U
39	C-130	A				9,168		137,000		146,168	U
40	C-130J Mods	A				89,424				89,424	U
41	C-135	A				64,161				64,161	U
42	Compass Call Mods	A		29,800		130,257		82,400		212,657	U
43	RC-135	A				211,438				211,438	U

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44 E-3	A	6,600	89,386	89,386 U
45 E-4	A		53,348	53,348 U
46 E-8	A		6,244 3,000	9,244 U

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 Total Obligational Authority  
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		FY 2017 PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
47	Airborne Warning and Control System	A		223,427		21,800		245,227			U
48	Family of Beyond Line-of-Sight Terminals	A	3	4,673				3	4,673		U
49	H-1	A		9,007				9,007			U
50	H-60	A		91,357		7,700		99,057			U
51	RQ-4 Mods	A		32,045				32,045			U
52	HC/MC-130 Modifications	A		30,767		7,000		37,767	13,550		U
53	Other Aircraft	A		33,886				33,886	7,500		U
54	MQ-9 Mods	A		141,929				141,929	112,068		U
55	CV-22 Mods	A		63,395				63,395			U
Total Modification of Inservice Aircraft				2,504,954		461,600		2,966,554	299,369		
Budget Activity 06: Aircraft Spares and Repair Parts											
-----											
Aircraft Spares and Repair Parts											
56	Initial Spares/Repair Parts	A		686,491		95,000		781,491	25,600		U
Total Aircraft Spares and Repair Parts				686,491		95,000		781,491	25,600		

Budget Activity 07: Aircraft Supt Equipment & Facilities

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Common Support Equipment

57 Aircraft Replacement Support Equip	A	121,935	36,820	158,755	U
58 Common Support Equipment	A		24,700	24,700	U

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 Total Obligational Authority  
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
47	Airborne Warning and Control System	A									U
48	Family of Beyond Line-of-Sight Terminals	A									U
49	H-1	A									U
50	H-60	A									U
51	RQ-4 Mods	A									U
52	HC/MC-130 Modifications	A						13,550			U
53	Other Aircraft	A						7,500			U
54	MQ-9 Mods	A						112,068			U
55	CV-22 Mods	A									U
Total Modification of Inservice Aircraft								29,800	329,169		
Budget Activity 06: Aircraft Spares and Repair Parts											
-----											
Aircraft Spares and Repair Parts											
56	Initial Spares/Repair Parts	A						25,600			U
Total Aircraft Spares and Repair Parts								25,600			
Budget Activity 07: Aircraft Supt Equipment & Facilities											
-----											

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Department of the Air Force  
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 Total Obligational Authority  
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 Remaining PB Request OCO		FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
47	Airborne Warning and Control System	A				223,427		21,800		245,227	U
48	Family of Beyond Line-of-Sight Terminals	A			3	4,673			3	4,673	U
49	H-1	A				9,007				9,007	U
50	H-60	A				91,357		7,700		99,057	U
51	RQ-4 Mods	A				32,045				32,045	U
52	HC/MC-130 Modifications	A		13,550		44,317		7,000		51,317	U
53	Other Aircraft	A		7,500		41,386				41,386	U
54	MQ-9 Mods	A		112,068		253,997				253,997	U
55	CV-22 Mods	A				63,395				63,395	U
Total Modification of Inservice Aircraft				329,169		2,804,323		491,400		3,295,723	
Budget Activity 06: Aircraft Spares and Repair Parts											
-----											
Aircraft Spares and Repair Parts											
56	Initial Spares/Repair Parts	A		25,600		712,091		95,000		807,091	U
Total Aircraft Spares and Repair Parts				25,600		712,091		95,000		807,091	
Budget Activity 07: Aircraft Supt Equipment & Facilities											
-----											

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Common Support Equipment

57 Aircraft Replacement Support Equip	A	121,935	36,820	158,755	U
58 Common Support Equipment	A		24,700	24,700	U

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 Total Obligational Authority  
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		FY 2017 PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Post Production Support											
59	B-2A	A		154				154			U
60	B-2a	A		43,330				43,330			U
61	B-52	A		28,125				28,125			U
62	C-17A	A		23,559				23,559			U
63	F-15	A		2,980				2,980			U
64	F-16	A		15,155				15,155			U
65	F-22A	A		48,505				48,505			U
66	RQ-4 Post Production Charges	A		99				99			U
Industrial Preparedness											
67	Industrial Responsiveness	A		14,126		13,900		28,026			U
War Consumables											
68	War Consumables	A		120,036				120,036			U
Other Production Charges											
69	Other Production Charges	A		1,252,824		120,000		1,372,824		8,400	U
999	Classified Programs			16,952				16,952			U

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Total Aircraft Supt Equipment & Facilities	----- 1,687,780 -----	----- 195,420 -----	----- 1,883,200 -----	----- 8,400 -----
Total Aircraft Procurement, Air Force	13,922,917	1,847,520	15,770,437	859,399

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 Total Obligational Authority  
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Post Production Support											
59	B-2A	A									U
60	B-2a	A									U
61	B-52	A									U
62	C-17A	A									U
63	F-15	A									U
64	F-16	A									U
65	F-22A	A									U
66	RQ-4 Post Production Charges	A									U
Industrial Preparedness											
67	Industrial Responsiveness	A									U
War Consumables											
68	War Consumables	A									U
Other Production Charges											
69	Other Production Charges	A				43,300		51,700			U
999	Classified Programs										U

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Total Aircraft Supt Equipment & Facilities	-----	-----	-----	-----
		43,300	51,700	
Total Aircraft Procurement, Air Force	-----	-----	-----	-----
		73,100	932,499	

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 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands) 08 Mar 2017

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 Remaining PB Request OCO		FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Post Production Support											
59	B-2A	A				154				154	U
60	B-2a	A				43,330				43,330	U
61	B-52	A				28,125				28,125	U
62	C-17A	A				23,559				23,559	U
63	F-15	A				2,980				2,980	U
64	F-16	A				15,155				15,155	U
65	F-22A	A				48,505				48,505	U
66	RQ-4 Post Production Charges	A				99				99	U
Industrial Preparedness											
67	Industrial Responsiveness	A				14,126		13,900		28,026	U
War Consumables											
68	War Consumables	A				120,036				120,036	U
Other Production Charges											
69	Other Production Charges	A		51,700		1,261,224		163,300		1,424,524	U
999	Classified Programs					16,952				16,952	U

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Total Aircraft Supt Equipment & Facilities	----- 51,700 -----	----- 1,696,180 -----	----- 238,720 -----	----- 1,934,900 -----
Total Aircraft Procurement, Air Force	932,499	14,782,316	1,920,620	16,702,936

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Air Force • Request for Additional Appropriations FY 2017 • Procurement

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***Appropriation 3010F: Aircraft Procurement, Air Force***

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***Appropriation 3010F: Aircraft Procurement, Air Force***

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**Appropriation 3010F: Aircraft Procurement, Air Force**

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***Appropriation 3010F: Aircraft Procurement, Air Force***

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 01: Combat Aircraft / BSA 3: Tactical Forces	<b>P-1 Line Item Number / Title:</b> ATA000 / F-35
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0207142F	<b>Other Related Program Elements:</b> 0604800F
--	--	---

**Line Item MDAP/MAIS Code:** 198

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	103	28	47	48	-	48	44	48	48	60	1,342	1,768
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	18,564.463	3,965.374	5,678.692	5,457.654	0.000	5,457.654	5,113.201	5,383.789	5,245.341	6,226.227	158,393.291	214,028.032
Less PY Advance Procurement ( <i>\$ in Millions</i> )	1,162.695	339.533	418.880	460.260	-	460.260	404.500	671.263	406.750	424.230	18,862.296	23,150.407
Net Procurement (P-1) ( <i>\$ in Millions</i> )	17,401.768	3,625.841	5,259.812	4,997.394	0.000	4,997.394	4,708.701	4,712.526	4,838.591	5,801.997	139,530.995	190,877.625
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	2,490.053	418.880	460.260	404.500	-	404.500	671.263	406.750	424.230	424.230	17,450.241	23,150.407
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>19,891.821</b>	<b>4,044.721</b>	<b>5,720.072</b>	<b>5,401.894</b>	<b>0.000</b>	<b>5,401.894</b>	<b>5,379.964</b>	<b>5,119.276</b>	<b>5,262.821</b>	<b>6,226.227</b>	<b>156,981.236</b>	<b>214,028.032</b>

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

Initial Spares ( <i>\$ in Millions</i> )	999.138	231.847	229.582	267.792	-	267.792	315.478	353.602	354.622	355.591	10,039.788	13,147.440
Flyaway Unit Cost ( <i>\$ in Millions</i> )	157.500	129.144	109.882	98.994	-	98.994	101.535	102.406	99.337	94.548	113.507	114.243
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	180.238	141.621	120.823	113.701	-	113.701	116.209	112.162	109.278	103.770	118.028	121.057

**Description:**

The F-35 Joint Strike Fighter program will develop and field a family of aircraft that meets the needs of the United States and its international partners. Specifically, the Joint Strike Fighter (JSF) will meet the USAF Conventional Take Off and Landing (CTOL) requirements with the F-35A variant, the USMC Short Take-Off and Vertical Landing (STOVL) requirements with the F-35B variant, and DoN Carrier Variant (CV) requirements with the F-35C variant. Commonality among the three variants is expected to reduce life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of Navy (DoN) and the Department of the Air Force (DAF) and currently resides with the Navy. The F-35 is the next generation strike fighter which entails increased aero performance, stealth signature and countermeasures. Its advanced avionics, data links and adverse weather precision targeting incorporate the latest technology available. The highly supportable, affordable, state-of-the-art aircraft commands and maintains global air superiority. The production cost and quantities are interdependent due to one manufacturer for the program. USAF regular procurement commenced in FY07 with Long-Lead in FY06 and DoN regular procurement commenced in FY08 with long lead in FY07.

**Notes:**

- (1) Funding for this exhibit contained in PE 0207142F
- (2) Funding may be used to alleviate Diminishing Manufacturing Sources (DMS) issues.
- (3) The F-35 is a code B item (pre full rate production decision). Refer to the R4 budget exhibit for PE 0604800F for the Developmental Test and Evaluation and the Initial Operational Test and Evaluation schedules.
- (4) FY16 procurement quantity includes congressional add of 3 aircraft.

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$595.5 million is required to procure five (5) additional F-35As, including ancillary equipment and non-recurring engineering costs.

**Justification:**

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<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Air Force		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 01: Combat Aircraft / BSA 3: Tactical Forces		<b>P-1 Line Item Number / Title:</b> ATA000 / F-35
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0207142F	<b>Other Related Program Elements:</b> 0604800F
<b>Line Item MDAP/MAIS Code:</b> 198		
BASIS FOR FY2017 BUDGET REQUEST: The FY17 budget provides funding for 43 F-35A aircraft and associated equipment and support, associated sustainment and logistical requirements for USAF, and Advance Procurement for 44 CTOL aircraft in FY18.		

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

**Appropriation / Budget Activity / Budget Sub Activity:** 3010F: Aircraft Procurement, Air Force / BA 02: Airlift Aircraft / BSA 3: Other Airlift **P-1 Line Item Number / Title:** C130JH / HC-130J

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207230F, 0207237F, 0401132F

**Line Item MDAP/MAIS Code:** 257

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	12	4	5	4	-	4	2	-	-	-	3	30
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,066.981	388.024	514.434	459.576	0.000	459.576	218.153	0.000	0.000	0.000	398.587	3,045.755
Less PY Advance Procurement ( <i>\$ in Millions</i> )	39.877	56.000	70.000	42.000	-	42.000	20.000	0.000	0.000	0.000	0.000	227.877
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,027.104	332.024	444.434	417.576	0.000	417.576	198.153	0.000	0.000	0.000	398.587	2,817.878
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	127.877	50.000	30.000	20.000	-	20.000	0.000	0.000	0.000	0.000	0.000	227.877
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,154.981</b>	<b>382.024</b>	<b>474.434</b>	<b>437.576</b>	<b>0.000</b>	<b>437.576</b>	<b>198.153</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>398.587</b>	<b>3,045.755</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	69.646	74.754	77.093	133.815	-	133.815	85.689	-	-	-	97.750	82.286
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	88.915	97.006	102.887	114.894	-	114.894	109.077	-	-	-	132.862	101.525

**Description:**

HC-130 recapitalization will replace and augment the aging USAF fleet of combat rescue HC-130P/N aircraft which are experiencing airworthiness, maintainability and operational limitations. A common baseline aircraft configuration is being provided for the HC-130 Recap, the MC-130 Recap and the AC-130 Recap programs.

Beginning with the FY11 President's Budget, the HC-130 Recap and MC-130 Recap programs are being reported separately for improved visibility. Eight HC-130Js were procured under the combined HC/MC-130 Recap program.

This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 0605278F.

Program funding includes Diminishing Manufacturing Sources.

Funding for this exhibit is contained in PE 0207224F.

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$100 million is required to address emergency warfighting readiness requirements. One HC-130J aircraft will be procured bringing the FY17 request to 5 HC-130Js, contributing toward the recapitalization of 37 HC-130Js.

**Justification:**

The FY 2017 budget supports the production of 4 HC-130J and provides for logistics support.

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

**Appropriation / Budget Activity / Budget Sub Activity:** 3010F: Aircraft Procurement, Air Force / BA 02: Airlift Aircraft / BSA 3: Other Airlift **P-1 Line Item Number / Title:** C130JM / MC-130J

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207224F, 0207237F, 0401132F

**Line Item MDAP/MAIS Code:** 257

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	21	3	8	10	-	10	5	3	6	4	15	75
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,846.820	320.971	902.872	1,028.358	0.000	1,028.358	494.194	341.649	651.894	489.356	1,992.934	8,069.048
Less PY Advance Procurement ( <i>\$ in Millions</i> )	168.122	28.000	112.000	100.000	-	100.000	74.000	30.000	60.000	40.000	-	612.122
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,678.698	292.971	790.872	928.358	0.000	928.358	420.194	311.649	591.894	449.356	1,992.934	7,456.926
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	272.122	80.000	60.000	50.000	-	50.000	30.000	60.000	40.000	20.000	-	612.122
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,950.820</b>	<b>372.971</b>	<b>850.872</b>	<b>978.358</b>	<b>0.000</b>	<b>978.358</b>	<b>450.194</b>	<b>371.649</b>	<b>631.894</b>	<b>469.356</b>	<b>1,992.934</b>	<b>8,069.048</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	72.138	74.871	77.156	81.980	-	81.980	79.053	88.422	91.758	95.303	107.735	85.132
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	87.944	106.990	112.859	102.836	-	102.836	98.839	113.883	108.649	122.339	132.862	107.587

**Description:**

MC-130 recapitalization will replace and augment the aging USAF fleets of special operations MC-130E/H/P/W aircraft which are experiencing airworthiness, maintainability and operational limitations. A common baseline aircraft configuration is being provided for the MC-130 Recap, the HC-130 Recap, and AC-130 Recap programs.

Beginning with the FY11 President's Budget, the HC-130 Recap and MC-130 Recap programs are being reported separately for improved visibility. Prior year MC-130 Recap program details are reported as part of the HC/MC Recap program. Fifteen MC-130J were procured under the combined HC/MC-130 Recap program.

Program funding includes Diminishing Manufacturing Sources.

Funding for this exhibit is contained in PE 0207230F.

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$400 million is required to address emergency warfighting readiness requirements. Four MC-130J aircraft will be procured bringing the FY17 request to 10 MC-130Js, contributing toward the recapitalization of 94 total AC/MC-130J aircraft.

**Justification:**

The FY 2017 budget supports the production of 6 MC-130Js and provides for logistics support.

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft	<b>P-1 Line Item Number / Title:</b> B01B00 / B-1B
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0101126F	<b>Other Related Program Elements:</b> 0101126F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	836.908	219.869	114.119	150.319	0.000	150.319	97.791	93.401	35.551	69.714	-	1,617.672
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	836.908	219.869	114.119	150.319	0.000	150.319	97.791	93.401	35.551	69.714	-	1,617.672
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>836.908</b>	<b>219.869</b>	<b>114.119</b>	<b>150.319</b>	<b>0.000</b>	<b>150.319</b>	<b>97.791</b>	<b>93.401</b>	<b>35.551</b>	<b>69.714</b>	<b>-</b>	<b>1,617.672</b>

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

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

**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 Air Force maintains 62 B-1B's in its inventory. The B-1B averages 9,035 airframe hours as of December, 2015. The current service life extends beyond 2040. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. The specific modifications budgeted and programmed are below.

FY15 funding totals include \$91.879 million for Overseas Contingency Operations.

The FY 2017 funding request was reduced by \$6.036 million to account for the availability of prior year execution balances.

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

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$34.000 million is required to address emergency warfighting readiness requirements. B-1 Modification Project 92299 F101-GE-102 Service Life Extension Program (SLEP) modification is required for the full fleet of 289 engines due to continuous exposure to efficiency degrading environments during B-1B deployments to hot and harsh AORs within the last 10 years. The F101-GE-102 SLEP modification is designed to reconstitute the engine and enable it to meet the extension of the aircraft structure life requirements. The SLEP modification almost doubles the time on wing (1.7x), reduces total ownership costs (cost per flying hour) and decreases maintenance removals. Requested funds will procure and install SLEP hardware on 49 remaining F101 legacy engines, and complete the modification for the entire F101 engine fleet.

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	<b>P-1 Line Item Number / Title:</b> A01000 / A-10
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0207131F	<b>Other Related Program Elements:</b> 0207131F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	812.255	0.000	0.000	39.789	23.850	63.639	0.000	0.000	0.000	0.000	-	875.894
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	812.255	0.000	0.000	39.789	23.850	63.639	0.000	0.000	0.000	0.000	-	875.894
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>812.255</b>	<b>0.000</b>	<b>0.000</b>	<b>39.789</b>	<b>23.850</b>	<b>63.639</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>-</b>	<b>875.894</b>

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

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

**Description:**

This line item funds modifications and upgrades to the A-10 weapon system to ensure it remains combat effective. The A-10 is a twin engine, single seat aircraft capable of delivering a full range of air-to-ground munitions as well as self-defense air-to-air missiles. The A-10 provides persistent, effective and precise Close Air Support, Interdiction, Forward Air Controller (airborne), Combat Search & Rescue and Strike Control & Reconnaissance.

Funding for this exhibit contained in PE 0207131F.

""Fiscal Year (FY) 2017 Request for Additional Appropriations": A total of \$38.5 million is required to address emergency warfighting readiness requirements for A-10 Upgrades. The breakdown is as follows:

For Mode 5, \$11 million is required to address emergency war fighting readiness requirements. This will upgrade the remaining 238 aircraft of the A-10 fleet to achieve full operational capability (FOC) in compliance with the 2020 Congressional mandate to use Mode 5 encryption.

For Helmet Mounted Cueing System (HMCS), a total of \$6.5 million is required. \$1.5 million is required to address emergency war fighting readiness requirements. This maintains the fielded HMCS via Interim Contractor Support (ICS), necessary because of the delay in standing up the organic depot. These repairs are vital to ensure continuity of operations within the AOR. Without ICS, broken systems will not be repaired, resulting in degraded combat operations. \$5 million is required to begin provisioning for, and executing, a HMCS retrofit required to meet the system's performance Key Performance Parameter. This requirement is documented on a HMCS Urgent Operational Need (UON) approved in 2008.

For Lightweight Airborne Recovery System / Combat Survivor Evader Locator (LARS/CSEL), \$4 million is required to address emergency war fighting readiness requirements. This purchases spare Receiver/Transmitter units, and Over and Above installation costs. LARS/CSEL is an AFCENT UON approved in 2016. LARS/CSEL is currently deployed and used in combat operations.

For Onboard Oxygen Generating System (OBOGS), \$17 million is required to address emergency war fighting readiness requirements. This purchases (OBOGS) A- kits, B-kits and installation for two additional A-10 squadrons. This modification eliminates the A-10's requirement to deploy with additional manpower and logistics-intensive Liquid Oxygen systems, saving the unit time, readiness, and money while also adding considerable flexibility to potential deployment locations. This requirement is documented on a 1067 dated 2013-03-18.

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	<b>P-1 Line Item Number / Title:</b> F01600 / F-16
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0207133F, 0207445F, 0809731F	<b>Other Related Program Elements:</b> 0207133F, 0207445F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	961.778	9.042	10.134	257.331	0.000	257.331	155.264	256.513	320.251	298.085	-	2,268.398
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	961.778	9.042	10.134	257.331	0.000	257.331	155.264	256.513	320.251	298.085	-	2,268.398
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>961.778</b>	<b>9.042</b>	<b>10.134</b>	<b>257.331</b>	<b>0.000</b>	<b>257.331</b>	<b>155.264</b>	<b>256.513</b>	<b>320.251</b>	<b>298.085</b>	<b>-</b>	<b>2,268.398</b>

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

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

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$160 million is required to address emergency warfighting readiness requirements. This is required to complete Phase 2 of the USNORTHCOM Joint Urgent Operational Need (JUON) for F-16 active electronically scanned array (AESA) radars. Phase 2 will include procurement, install, spares, additional testing and verification of legacy capabilities and fielding radars on up to an additional 48 aircraft for the HLD mission. The F-16 AESA JUON requirement for Phases 1-2 was validated by J8/DDR validated on 12 Mar 15 and assigned to the USAF by the JRAC in Apr 15. It is imperative to operationally field the AESA radar in support of homeland defense against evolving threats.

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

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	<b>P-1 Line Item Number / Title:</b> C13000 / C-130
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0207224F, 0401115F	<b>Other Related Program Elements:</b> 0207224F, 0401115F, 0401134F, 0401897F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	988.010	159.309	136.658	146.168	0.000	146.168	76.073	57.331	136.779	196.660	-	1,896.988
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	988.010	159.309	136.658	146.168	0.000	146.168	76.073	57.331	136.779	196.660	-	1,896.988
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>988.010</b>	<b>159.309</b>	<b>136.658</b>	<b>146.168</b>	<b>0.000</b>	<b>146.168</b>	<b>76.073</b>	<b>57.331</b>	<b>136.779</b>	<b>196.660</b>	<b>-</b>	<b>1,896.988</b>

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

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

**Description:**

FY15 funding totals include \$35.04 million for Overseas Contingency Operations.  
FY16 funding totals include \$1.41 million 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 FY17 PB are the Systems/Structure (Center Wing Replacement) mod, the C-130 Auxiliary Hydraulic Pump mod, and low cost/safety/misc sims mods.

In the FY17 PB, the FY16 PB "C-130H Viability and Airspace Access Program (VAAP) Increment 1" has been renamed "C-130H Avionics Modernization Program (AMP) Increment 1".

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 may be used to address Diminishing Manufacturing Sources (DMS) issues.

Funding for this exhibit is contained in PEs 0401115F, 0404011F, 0207224F, 0504343F.

The FY 2017 funding request was reduced by \$9.742M to account for the availability of prior year execution balances.

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$126 million for Electronic Propeller Control System (EPCS) and \$11 million for Radar Warning Receiver (RWR) are required to address emergency warfighting readiness requirements. Mod# 92311 EPCS outfits 126 C-130Hs with EPCS to improve mission availability and performance while also reducing maintenance. Mod #8220 RWR outfits 3 C-130Hs with RWRs to improve survivability with improved surface-to-air and air-to-air radar-guided missile warning.

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	<b>P-1 Line Item Number / Title:</b> CALL00 / COMPASS CALL Mods
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0207253F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	82.628	96.990	182.857	29.800	212.657	101.982	45.511	37.259	37.946	-	614.973
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	82.628	96.990	182.857	29.800	212.657	101.982	45.511	37.259	37.946	-	614.973
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>82.628</b>	<b>96.990</b>	<b>182.857</b>	<b>29.800</b>	<b>212.657</b>	<b>101.982</b>	<b>45.511</b>	<b>37.259</b>	<b>37.946</b>	-	<b>614.973</b>

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

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

**Description:**

The FY 2017 funding request was reduced by \$7.397 million to account for availability of prior year execution balances.

FY 2015 funding totals include \$24.8 million 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 program of record inventory at the beginning of FY 2017 will include the following resources: 15 EC-130H total active inventory (TAI) -- 10 aircraft are primary mission aircraft inventory (PMAI), four aircraft are Backup Aircraft Inventory (BAI), and one aircraft is a NEC-130H primary development/test aircraft inventory (PDAI), one Weapon System Trainer (WST, a.k.a. flight deck simulator) and two COMPASS CALL Mission Crew Simulators (CCMCS). FY 2017 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 FY 2016 NDAA language. 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. The initial spares procurement funding in FY 2017 will be used to support the EC-130H mission in its theater of operations. Funding for this exhibit is contained in PE 0207253F.

The Air Force Corporate decision to divest half of the EC-130H COMPASS CALL fleet in FY 2016 has been deferred to FY 2019. The acquisition program manager will, however, retire one TC-130 flight deck trainer (BAI aircraft) in FY 2016 due to PDM requirements. The FY 2017 funding increase of \$103.5 million restores the funding levels required to "buy back" the six Baseline 1 configured EC-130H (PMAI aircraft) indentified for divestiture in FY 2016. This additional funding will allow the acquisition program manager to modify and sustain ten EC-130H COMPASS CALL aircraft to a Baseline 2/Mid-Baseline 2 configuration.

The EC-130H COMPASS CALL Program is managed by the 645 AESG (BIG SAFARI Systems Program Office or SPO). Funding for this exhibit is contained in PE 0207253F.

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$52.6 million is required to address emergency warfighting readiness requirements. Funding accelerates the COMPASS CALL re-host program authorized in the FY 2017 National Defense Authorization Act (NDAA), addresses training requirements, and implements mandatory upgrades and quick reaction capabilities needed for the legacy EC-130H fleet.



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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	<b>P-1 Line Item Number / Title:</b> E00800 / E-8
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ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0207581F	Other Related Program Elements: 0207581F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	105.683	0.000	18.001	9.244	0.000	9.244	10.714	0.000	0.000	0.000	-	143.642
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	105.683	0.000	18.001	9.244	0.000	9.244	10.714	0.000	0.000	0.000	-	143.642
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>105.683</b>	<b>0.000</b>	<b>18.001</b>	<b>9.244</b>	<b>0.000</b>	<b>9.244</b>	<b>10.714</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>-</b>	<b>143.642</b>

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

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

**Description:**

This line item funds modifications to the E-8C Joint Surveillance Target Attack Radar System (JSTARS) aircraft through FY 2018. 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.

In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for the 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 may be used to address Diminishing Manufacturing Sources (DMS) issues.

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$3.0 million is required to address emergency warfighting readiness requirements. Combatant Commander require the E-8C to navigate and operate over vast oceanic areas, out of air traffic control, and within close proximity to neighboring countries. However, the current Joint STARS Emergency Locator Transmitter (ELT) operates on the older 121.5/243.0 MHz frequency that is no longer monitored by the international COSPAS-SARSAT satellite system putting rescue of crew and equipment at risk during an emergency. As a result, FY17 Budget Amendment funding will upgrade the entire E-8C fleet with ELTs that operate on 121.5/406 MHz frequency monitored by the international satellite system. These upgraded ELTs will aid rescue efforts during an emergency. PE: 0207581F

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	<b>P-1 Line Item Number / Title:</b> E34045 / Airborne Warning and Control System (AWACS)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0207417F
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**Line Item MDAP/MAIS Code:** 277

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	191.284	178.308	245.227	0.000	245.227	103.420	58.154	29.309	0.000	-	805.702
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	191.284	178.308	245.227	0.000	245.227	103.420	58.154	29.309	0.000	-	805.702
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>191.284</b>	<b>178.308</b>	<b>245.227</b>	<b>0.000</b>	<b>245.227</b>	<b>103.420</b>	<b>58.154</b>	<b>29.309</b>	<b>0.000</b>	<b>-</b>	<b>805.702</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in 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 AWACS enterprise modifications through a customized implementation of Commercial Off The Shelf (COTS) hardware with a software intensive architecture. The 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 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).

Low Rate Initial Production (LRIP) was approved for six (6) aircraft in November 2008 [one (1) buy in FY 2009, two (2) buys in FY 2010, and three (3) buys in FY 2012]. 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 FY 2015 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 did not accept the Air Force's proposed FY 2015 AWACS divestiture, and in response, ...

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$21.800 million is required to address emergency warfighting readiness requirements. Restores procurement funds for the Block 40/45 AWACS modification for one active duty AWACS Operations Squadron (5 aircraft). Provides increased capability through improvements in user interface, battle management tools, multi-source integration and enhanced data link.

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	<b>P-1 Line Item Number / Title:</b> H06000 / H-60
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ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0207224F, 0207228F	Other Related Program Elements: 0207224F, 0207228F
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Line Item MDAP/MAIS Code: None

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	575.257	60.110	67.054	99.057	0.000	99.057	75.868	44.521	32.880	26.567	-	981.314
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	575.257	60.110	67.054	99.057	0.000	99.057	75.868	44.521	32.880	26.567	-	981.314
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>575.257</b>	<b>60.110</b>	<b>67.054</b>	<b>99.057</b>	<b>0.000</b>	<b>99.057</b>	<b>75.868</b>	<b>44.521</b>	<b>32.880</b>	<b>26.567</b>	<b>-</b>	<b>981.314</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in 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 FY17 provide predictive maintenance analysis, safety/survivability upgrades, mission avionics upgrades, operational loss replacement mission modifications, and addresses obsolescence issues.

FY16 funding totals include \$39.3 million for Overseas Contingency Operations.

Funding for this exhibit is contained in PE 0207224F and PE 0207228F.

The FY17 funding request was reduced by \$9.7 million to account for the availability of prior year execution balances.

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.

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$7.7 million is required to address emergency warfighting readiness requirements. Datalink increases HH-60G interoperability with rescue escort/ C2 assets. Real time access to ISR sensor data enables advance recon of objective area/threats, enhancing situational awareness and PR mission success while reducing risk to the aircrew and aircraft. Critical equipment to sustain combat rescue capability.

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	<b>P-1 Line Item Number / Title:</b> HCMC00 / HC/MC-130 Modifications
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0207224F	<b>Other Related Program Elements:</b> 0207224F, 0401134F
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**Line Item MDAP/MAIS Code:** 257

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
<i>Procurement Quantity (Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Gross/Weapon System Cost (\$ in Millions)</i>	84.310	43.202	27.350	37.767	13.550	51.317	42.400	35.734	4.173	4.249	-	292.735
<i>Less PY Advance Procurement (\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Net Procurement (P-1) (\$ in Millions)</i>	84.310	43.202	27.350	37.767	13.550	51.317	42.400	35.734	4.173	4.249	-	292.735
<i>Plus CY Advance Procurement (\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>84.310</b>	<b>43.202</b>	<b>27.350</b>	<b>37.767</b>	<b>13.550</b>	<b>51.317</b>	<b>42.400</b>	<b>35.734</b>	<b>4.173</b>	<b>4.249</b>	<b>-</b>	<b>292.735</b>

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

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

**Description:**

HC/MC-130 Recapitalization will replace and augment the aging USAF fleets of combat rescue HC-130P/N, special operations MC-130E/P/H and AC-130H/U/W aircraft which are experiencing airworthiness, maintainability and operational limitations. This program provides a common baseline configuration aircraft.

The primary mission of the HC/MC-130J aircraft is to provide aerial refueling support to the respective component commanders. In addition to the specialized air refueling support to mission-unique receiver aircraft, the aircraft can provide a specialized mobility capability to position, supply, re-supply and recover specialized ground tactical units. As of 1 Jan 2016, 52 HC/MC/AC variants have been fielded: 5 AC-130Js, 30 MC-130Js, 18 HC-130Js. The designed service life is 35 years and the average service life remaining is 32.2 years.

The modifications budgeted in FY17 will improve the reliability, maintainability, safety, 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).

Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.

FY15 funding totals include \$41.3 million for Overseas Contingency Operation and FY16 funding totals include \$5.7 million for Overseas Contingency Operations.

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$7 million for mod 8632 and mod 8635 is required to address emergency war-fighting readiness requirements. Mod 8632 (Personnel Locator System) outfits 6 HC-130Js with an enhanced capability to locate downed airmen (\$3 million). Mod 8635 (MC-130J Increment 2) brings the remaining two Increment 1 MC-130Js up to the production configuration which is required to deploy to the theater (\$4 million).

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 06: Aircraft Spares and Repair Parts / BSA 10: Aircraft Spares and Repair Parts	<b>P-1 Line Item Number / Title:</b> 000999 / Initial Spares/Repair Parts
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	534.385	631.242	781.491	25.600	807.091	725.059	765.402	753.648	806.008	-	5,022.835
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	534.385	631.242	781.491	25.600	807.091	725.059	765.402	753.648	806.008	-	5,022.835
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.000</b>	<b>534.385</b>	<b>631.242</b>	<b>781.491</b>	<b>25.600</b>	<b>807.091</b>	<b>725.059</b>	<b>765.402</b>	<b>753.648</b>	<b>806.008</b>	<b>-</b>	<b>5,022.835</b>

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

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

**Description:**

FY 2015 funding totals include \$45.410 million appropriated for Overseas Contingency Operations.

Program Description: Aircraft Initial Spares are required to fill the initial pipeline or inventory for all new aircraft systems, including modifications, support equipment, and other production categories. Initial spares include peculiar repairable and consumable components, assemblies, and sub-assemblies that must be available for issue at all levels of supply in time to support newly fielded end items.

The following Major Defense Acquisition Programs (MDAP) have funding in this line:

- F-35, 198
- FAB-T, 199
- V-22, 212
- B-2 EHF Inc I, 224
- AWACS UPGRADE, 277
- C-5 RERP, 327
- KC-46A, 387
- MQ-9 UAS Reaper, 424
- F-22 Inc 3.2B Mod, 474
- F-15 EPAWSS, 485
- RQ-4A/B Global Hawk, 252

Initial spares are funded in the two program segments described below.

Working Capital Fund (WCF) Spares. Since FY 1994, some programs have used obligation authority in the WCF to procure initial spares. When the spares are delivered this central procurement account will reimburse the WCF. Types of spares in this program segment are Readiness Spares Packages, New Acquisition Spares, Modification Spares, Support Equipment, Other Production, and Consumables.

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<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Air Force		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 06: Aircraft Spares and Repair Parts / BSA 10: Aircraft Spares and Repair Parts		<b>P-1 Line Item Number / Title:</b> 000999 / Initial Spares/Repair Parts
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
Exempt Spares. This program segment finances spares that are not purchased through the WCF. The budget authority is a direct cite on the contract. Types of spares in this program segment are Whole Spare Engines, Whole Spare Quick Engine Change Kits, Contractor Logistics Support, Simulators/Trainers, New Acquisition Spares, Modification Spares, Support Equipment, Classified Equipment, and Munitions.		
"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$95 million is required to address emergency warfighting readiness requirements. Provides funding to procure initial spares to support five (5) additional F-35As.		
<b>Justification:</b> In FY 2017, the funding request for F-35 and KC-46A Tanker Squadrons increased significantly in preparation for fielding. MQ-9 continues to have large initial spare requirements.		

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment	<b>P-1 Line Item Number / Title:</b> 71 / Aircraft Replacement Support Equip
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> 0202834F	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1.843	23.294	33.716	183.455	0.000	183.455	81.964	66.736	68.749	70.036	-	529.793
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1.843	23.294	33.716	183.455	0.000	183.455	81.964	66.736	68.749	70.036	-	529.793
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>1.843</b>	<b>23.294</b>	<b>33.716</b>	<b>183.455</b>	<b>0.000</b>	<b>183.455</b>	<b>81.964</b>	<b>66.736</b>	<b>68.749</b>	<b>70.036</b>	<b>-</b>	<b>529.793</b>

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

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

**Description:**

This program provides funding for the procurement of replacement organizational and intermediate level support equipment for out-of-production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), directly support aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system. Items requiring replacement typically range in age from 10 to 35 years old. As a result, this equipment suffers frequent failures, is uneconomical to repair, and requires spare parts that are no longer available. Many items have become technologically obsolete or must be replaced due to environmental operating constraints. Items of equipment budgeted within this program include: avionics test stations, air conditioners, munitions handling equipment, electronic test sets, maintenance platforms, and automatic test systems. These items support multiple Air Force weapon systems. Failure to procure these items will negatively affect mission capable rates, increase maintenance costs, and increase sortie turn times.

**SUPPORT EQUIPMENT AND AUTOMATIC TEST SYSTEMS**

Items Less Than \$5 million

The Items Less Than \$5 million line procures replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. Common items (used on more than one weapon system) and peculiar items (unique to one weapon system) directly support aircraft maintenance and servicing requirements. These replacement items ensure continuation of serviceable equipment over the life of a weapon system, and consist of over 2,800 national stock numbered (NSN) items as well as numerous items which are non-stock listed (NSL). Items for procurement include, but are not limited to, ammunition loaders, test adapter kits, Common Aircraft Portable Reprogramming Equipment (CAPRE), transponder test sets, Common Munitions Built-in Test Reprogramming Equipment (CMBRE), Common Organizational Level Tester (COLT), Bomber Armament Tester (BAT), universal maintenance stands, 250kW motor generators, universal hydraulic test stands, munitions trailers, etc. These programs require Program Management Administration (PMA) for TDY and other government costs associated with program/contract required activities.

**SUPPORT EQUIPMENT PROGRAMS**

Large Air Conditioner

The Large Flight-Line Air Conditioner replacement program will procure a trailer-mounted, diesel powered, deployable air conditioner. Its purpose is to provide conditioned air for supporting pre-flight activities and ground maintenance efforts for heavy electronics laden weapon systems including, but not limited to: B-1B, C-32, E-3, E-8C, and RC-135. The Large Flight-Line Air Conditioner program will replace three legacy systems: ACE-802, PD-501 (in certain applications) and DAC-110. These legacy systems represent the majority of the Air Force inventory of large flight line air conditioners (400ea). Operational assessments determined that legacy air conditioners were not performing to their specified operating temperatures. These air conditioners are approaching the eighteenth year of a twenty year life expectancy. The age of this equipment, high temperatures, and other environmental conditions in the Middle East have caused legacy air conditioners to fail, affecting operational readiness and jeopardizing critical missions. Modifications to legacy equipment have been implemented; however, these modifications introduced water into the system that caused premature corrosion resulting in unit failures. Lack of dependable air conditioning

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<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Air Force		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment		<b>P-1 Line Item Number / Title:</b> 71 / Aircraft Replacement Support Equip
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> 0202834F	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>equipment continues to cause operational impacts such as rescheduling maintenance activities to nighttime operations or delaying sorties in order to avoid overheating of critical electronic warfare/avionics systems and personnel. Consequently, the warfighter has established a critical need for a Large Flight-Line Air Conditioner replacement program. The Air Force needs to replace poor performing and obsolete flight line air conditioners supplying conditioned air for aircraft flying in and out of the Area of Responsibility supporting Operation Enduring Freedom as well as other current/future warm climate operations around the world.</p> <p>Aircraft Replacement Support Equipment Mods The munitions handling units (MHU) MHU-196/M and MHU-204/M are nuclear certified, self-powered, heavy duty, U-type frame trailers with a 40,000 pound lift capacity. The MHUs are used for transporting conventional and nuclear munitions, rotary launchers, pylons, and adapters for loading/unloading them on B-1, B-2 and B-52 aircraft, necessary to accomplish the Air Force's strategic mission. The service life extension program (SLEP) will correct discrepancies identified in the April 2009 Air Force Comprehensive Assessment of Nuclear Sustainment (AFCANS) II report and the April 2013 Defense Science Board Air Force Nuclear Enterprise Follow-on Review and is critical to sustaining the Air Force's nuclear deterrence posture and the readiness of our bomber forces. The SLEP will extend the service life by assessing the structural integrity, replacing the legacy control and power system with COTS Compact RIO programmable automation controllers. Funding may be used to address diminishing manufacturing sources (DMS) issues and alleviate parts obsolescence. The MHUs have met and exceeded the original service life of 20 years, and this effort is to provide an additional 20 years of service. The users consist of AFGSC, ACC, AETC, and AFMC. These trailers are field level repaired units.</p> <p><b>AUTOMATIC TEST SYSTEMS PROGRAMS</b> USM670 Core Test Set (CTS) The Joint Service Electronic Combat Systems Tester (JSECST) provides an organizational level (O-level) flight line capability for verifying the operational status of aircraft installed Electronic Combat (EC) systems including their associated installed antennas, transmission lines, radomes, cockpit displays, controls and EC suite communication buses. It also provides EC system malfunction diagnostics. The JSECST provides end-to-end (ETE) functional testing to determine the status of EC system installed in or on operational aircraft. It automatically determines the go/no-go status of the EC system with minimal technician interaction. In cases where the EC system has a critical fault, the JSECST detects the critical failure, identifies the ETE test that failed, and provides the diagnostics to isolate the failed aircraft transmission line path/component or line replaceable unit (LRU). The JSECST can be operated in automatic or manual mode to provide identification and isolation of failed EC systems. This equipment support Air Force weapon systems A-10, F-15, and F-16 aircraft. Failure to procure this item would compromise the safety of more than 53 units supporting A-10s, F-15s, and F-16s. The JSECST is a defensive system tester, equipping the warfighter with safe and fully functional electronic combat systems.</p> <p><b>Versatile Depot Automatic Test Station (VDATS)</b> Versatile Depot Automatic Test Station (VDATS) is a tester that is used for maintenance and testing of advanced avionics components that supports multiple aircraft platforms and systems. Initially, VDATS was developed to reduce Automatic Test Systems (ATS) proliferation by standardizing depot avionics test stations. VDATS has been named the first Air Force Family of testers. As a family of testers which standardized ATS support within the Air Force, VDATS now supports intermediate level ATS requirements. VDATS has flexible hardware and software architectures that are fully expandable and tailorable. VDATS provides workload transportability and increased sustainability through common commercial components with latest technologies and open architecture design. The system has a Commercial Off The Shelf (COTS) System of Automatic Test Equipment (ATE), with architecture and Virtual Modular Equipment (VME) Extensions for Instrumentation (VXI) technology. Using standardized commercial components on VDATS reduces the number of diverse components which eases sustainability and obsolescence management allowing production units to run on any VDATS of the same configuration utilizing interface test adapters and test program sets. The equipment within the VDATS family of tester is the Digital Analog, Radio Frequency and Calibration Equipment. VDATS Digital Analog (DA-1) is the standard configuration. It includes the Cross Point Matrix (CPM) which provides a true hybrid test capability to the Test Program Set (TPS) developer and provides the switching technology required to connect any digital pin on VDATS to the appropriate analog instrumentation without additional ITA complexity. VDATS Digital Analog (DA-2) is the standard DA-1 configuration with additional Hybrid/Digital pins. VDATS Radio Frequency (RF-1) is used to test systems with RF requirements and will work with either DA configuration. The RF-1 is not stand-alone. VDATS Tech Refresh will support updates to the VDATS System Integration Laboratory (SIL) requirements. This effort will consist of future instruments updates, Interface Test Adapters (ITAs), testing, technical data, and overall station software support. Station software includes all applications necessary for complete station operations with all associated drivers and ADE. As additional unit under test (UUT) requirements are identified, the SIL will provide a means to verify suggested instrument modifications to the VDATS configurations. Instrument requirements over and above the current VDATS configuration will be tested and approved to ensure commonality among customers. This would include, but not be limited to, the current digital and radio-frequency (RF) test capability and any future capability enhancements deemed necessary to support future test requirements, as well as, any other sub-system or instrumentation that will contribute to the continuous overall functionality of the VDATS as a family of testers. VDATS Calibration Equipment consists of the standard Portable Automatic Test Equipment Calibrator with unique augmentation and self-test.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Air Force		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment		<b>P-1 Line Item Number / Title:</b> 71 / Aircraft Replacement Support Equip
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> 0202834F	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>The VDATS requirements are to support system repairs, testing and development of test program sets (TPS). Modern combat missions rely on rapid repair of the Unit Under Test (UUT). Without VDATS, testing and repair of system assets will be hampered. Therefore, aircraft mission capabilities rates are degraded, rapid response to combat mission is impeded and risk of mission failure and possible loss of aircraft substantially increases.</p> <p><b>Portable Automated Test Station (PATS)</b>          The Portable Automated Test Station (PATS) provides the user capability to trouble shoot the Avionics System, Weapons bus, and Armament system on the A-10A/C aircraft. It also provides capabilities to load Operational Flight Programs to the various Avionics components on the A-10-A/C aircraft. All A-10 aircraft are being upgraded to A-10C configuration. The PATS model -30 (P/N 04852-0100-30) is facing obsolescence challenges and becoming quickly unsupported. The PATS model -70 (P/N 04852-0100-70) increases capability, reduces equipment down time, and enhances maintainer trouble shooting capability on the aircraft, ensuring that A-10 mission capability is maintained.          Increasing maintenance costs and downtime due to obsolescence have made the PATS model -30 uneconomical and practically impossible to support. The original vendor for the main parts no longer produces these parts. As the PATS model -30 becomes less supportable than it already is, it will be unable to accommodate the required testing of the various A-10 systems. Consequences include increased Mission Capability hours, higher Re-Test OK (RTOK) rates, reduced aircraft availability, greater repair costs and fewer assets in the pipeline. The PATS model -70 provides improved diagnostic capabilities resulting in less erroneous pulls of avionics components on the A-10 and overcomes our obsolescence issues. The PATS model -70 reduces the amount of time required to trouble shoot the A-10 Avionics significantly with more accuracy. The PATS model -70 significantly reduces supportability requirements while increasing maintenance capabilities, ensuring the sustainment and mission capability of the A-10 aircraft.</p> <p><b>Versamodule Extensions for Instrumentation Improved Avionics Intermediate Shop (VXI-IAIS)</b>          The Versamodule Extensions for Instrumentation Improved Avionics Intermediate Shop (VXI-IAIS) is a mobile test station which provides performance and diagnostic testing of F-16 avionics Line Replaceable Units (LRUs). The VXI-IAIS test station is self-contained in two-man portable cases, greatly improving mobility for deployment purposes. Its predecessor, the IAIS, is used throughout the United States Air Force. The VXI-IAIS enhances and greatly improves the test capability previously maintained by the IAIS through the implementation of versatile modern technology in a modular, standards-based Commercial Off-The-Shelf (COTS) instruments design. The VXI-IAIS test station consists of an upgraded Control and Display Unit (CDU) with the incorporation of Serial Attached Small Computer Serial Interface (SAS SCSI) bus architecture and associated media storage devices, along with new VXI Instrument Unit A (IUA), Instrument Unit B (IUB), and Radio Frequency Microwave Unit (MU) measurement upgrades. The F-16 Improved Avionics Intermediate Shop (IAIS) test station was fielded in 1994 with production ending in 2002. Its shelf life was specified to be 15 years. Test stations are now 13 to 21 years old. Disk drives are obsolete and unsupported. Diminishing Manufacturing Sources and Material Shortages (DMSMS) pose a significant risk as available repair and/or replacement parts continue to decrease. 66% of IAIS Tester Replaceable Units (TRUs) and Shop Replaceable Units (SRUs) contain known obsolete parts. DMSMS issues have resulted in failed test stations which have become unavailable for extended periods of time. Consequences include increased Mission Capability (MICAP) hours resulting in reduced aircraft capability, greater repair costs, and fewer assets in the pipeline. IAIS sustainment costs are projected to be \$237M through 2030. The VXI-IAIS implements versatile modern technology in a modular, standards-based COTS instruments design that facilitates future supportability. VXI-IAIS procurement and sustainment is projected to require \$112M through 2030 with investment cost payback in 5 years, resulting in a cost savings of \$125M to the United States Air Force.</p> <p><b>C-17 Strategic Airlift Squadrons (AFR-EQ)</b>          Funding required in FY17 to procure support equipment at Pittsburgh IAP ARS for 8 C-17 aircraft transferring from Air Force Active-Duty Backup Aircraft Inventory (BAI) to the Air Force Reserve as Primary Aircraft Authorization (PAA This FY17 action is a part of the Air Force's Rapid Global Mobility (RGM) Force Mix Option (FMO) Delta (or RGM FMO-D) that mitigates the retirement of C-130H aircraft at Pittsburgh IAP ARS with transferred C-17 aircraft.</p> <p><b>Advanced Radar/Electronic Warfare Test Station (ARTS)</b>          The Advanced Radar/Electronic Warfare Test Station (ARTS) replaces 1970s vintage Radar/Electronic Warfare (REW) test stations and the Defensive Avionics Augmentation Equipment (DAAE). ARTS is a fully automated, programmable, stimulus generating, response measuring, intermediate automatic test equipment that will checkout, align, and fault isolates 21 avionics Line Replaceable Units (LRUs). ARTS interfaces to the LRU's via Test Program Sets (TPS). TPS's are required to perform the automated testing and faults isolation of the Unit Under Test (UUT). A TPS consists of test software, an Interface Adapter (ITA), cables used to connect the ITA to UU, and supporting documentation. This test station supports B-1 Radar/Electronic Warfare LRUs, and ultimately impacts B-1 mission capability for Global Attack missions. Failure to provide funding for ARTS will reduce B-1 mission capability due to non-availability of serviceable assets. The Automatic Test Equipment (ATE) presently supporting B-1 LRU troubleshooting and repair is no longer supportable due to diminished manufacturing sources and obsolescence caused by the age of the equipment. The average REW and DAAE mission capable rate is 67%.</p> <p>Stores System Tester</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Air Force		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment		<b>P-1 Line Item Number / Title:</b> 71 / Aircraft Replacement Support Equip
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> 0202834F	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>The Stores System Tester (F-16 SST) replaces the Stores Release Equipment tester and directly impacts the Air Force's ability to safely load, carry, and launch weapons on combat aircraft. The current tester accomplishes intermediate level testing of combat Alternate Mission Equipment (AME), which includes aircraft launchers, pylons, bomb racks, gun pods, and associated relays/adapters. The tester performs AME functional and fault isolation tests. F-16 legacy tester shortages are creating severe limitations on mission accomplishment. Procurement of existing testers is not an option due to Diminishing Manufacturing Sources (DMS). Procurement of the SSTI fills the existing tester shortages and precludes further DMS complications. The current test set is uneconomical to maintain due to obsolete and outdated parts. Older test sets are failing at higher rates, are becoming increasingly more difficult to repair, and are no longer reliable in determining the cause of AME failures. If a replacement tester is not made available, essential AME maintenance will lag, impacting timely weapons loading on the aircraft; thus reducing combat mission and aircraft capability.</p> <p>F-15 Secondary Power Source Test Set (SPSTS) The F-15 SPSTS provides organizational level fault isolation testing of the F-15 C/D/E model landing gear, secondary power, and engine starting system. The F-15 SPSTS will reduce retraction cycles from three to one. It will allow test procedures to become automated and decreases the maintenance time up to 50 percent. The SPSTS will replace a legacy test system that is obsolete and no longer supportable. In 2010, WR-ALC issued an engineering services contract to develop a USAF Prototype of the DCS SPSTS. The USAF prototype SPSTS, P/N A05G0717-1 was developed with modification to support the USAF F-15C/D/E aircraft with the -7 Generator Control Unit (GCU) wiring, unique F 15C/D aircraft landing gear control system test connector, and fault isolation differences unique to the USAF F-15C/D/E aircraft configurations. SERD, Nomenclature, NSN, provisioning data, and manuscript technical publication and IETMs updates were developed and delivered along with the USAF prototype SPSTS that would pave the way for a future follow-on production contract. Nomenclature and National Stock number were assigned for the design solution unit which is identified as A/E-24T-258 Secondary Power System Test Set, P/N A05G0717-1, NSN 4920-01-581-2240. The design solution prototype contract and associated deliveries were completed in April 2011. Boeing responded to a follow-on production WR-ALC Secondary Power System Test Set ROM estimate request dated 31 March 2011. This request included several enhancements to the design solution SPSTS. Enhancements included developing updates to support the -8 GCU (which was still in flight test), adding 115VAC 60 Hz operating power support, and software download support using an EIA STD 578/RS 232 interface which is the same interface as used on the A/E24T-250 Flight Control System Test Set (FCSTS). These enhancements will most likely be incorporated into a modified version of P/N A05G0717-1, NSN 4920-01-581-2240 when the new contract is awarded in FY17. The USAF is currently awaiting a new ROM for cost to include these enhancements. Without funding, there will be reduced testing capacity and increased maintenance cost associated with extended cycle time man-hours for F-15 C/D/E models. The central gear box and jet fuel starter have been the top MICAP drivers for the F-15. There is currently no tester available that can test the modified secondary power system post TCT) 850 - Installation of Upgraded JFS/GCU Write Group A into F-15 C/D aircraft (Prerequisite TCTO 1551). There are 18 critical backorders at this time and a total of 43.</p> <p>The ATS described in this document were evaluated/approved by the ICLM executive agent for the Automatic Test Systems (ATS) and are in line with the USAF ATS objective. The ATS program office is focused on reducing weapon system unique ATS through replacement with a Common Versatile ATS testers that can perform similar testing across multiple weapon system platforms. The ATS Program Management Office ensures collaborative requirements planning on new ATS fielding to reduce proliferation of new weapon system unique ATS.</p> <p>The ATS portfolio consists of 7,775 individually configured pieces of test equipment. The ATS division is responsible for the modernization, sustainment and recapitalization of this equipment. Included in this portfolio are 6 nuclear certified testers. They are B-2 &amp; B-52 Electronic Systems Test Set (ESTS), B-2 Common Organizational Level Tester (COLT), B-52 Multi-Use Systems Tester Armament Next Generation (MUSTANG), F-15 Armament Testers (T-198 &amp; T-199), F-16 Aircraft Circuits Preload Test Set (ACPTS), and F-16 Stores System Tester (SST).</p> <p>Requirement for cyber security: Increased emphasis and new direction regarding cyber security of off-network information systems (platform information technology, PIT) is driving the requirement to perform certification and accreditation (C&amp;A) of new and legacy Automatic Test Systems (ATS) in order to obtain an authority-to-operate (ATO) for the system. The new requirement to perform C&amp;A on PIT involves an analysis of system architecture and a subsequent risk-based assessment of vulnerabilities. A mitigation plan for identified vulnerabilities is developed resulting in a Plan of Action and Milestones (POAM) for the system. This is an engineering intensive activity.</p> <p>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 in this exhibit contained in PECs: 0202834F, 0502844F, and 0701212F.</p> <p>"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$36.82 million is required to procure and preposition essential logistics equipment including fuel storage &amp; distribution, vehicles, material handling equipment and aerospace ground equipment to facilitate rapid deployment and employment of forces in EUCOM and PACOM. PE: 0202834F</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Air Force		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment		<b>P-1 Line Item Number / Title:</b> 71 / Aircraft Replacement Support Equip
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> 0202834F	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$24.7 million is required to replace common support equipment, auto test system items, vehicles, past useful life to meet and enhance mission effectiveness.		
<p><b>Justification:</b> FY17 procurement dollars in the amount of \$121.935 million procures aircraft support equipment in support of installation and unit mission requirements for Air Force personnel.</p> <p><b>SUPPORT EQUIPMENT</b> Large Air Conditioner The Air Force needs to replace unsupportable, poor performing and obsolete flight line air conditioners supplying critical conditioned air for avionics compartments and personnel spaces for all aircraft flying in and out of theater in support of all ongoing and future warm climate operations around the world.</p> <p>Universal Hydraulic Test Stand The Air Force needs to replace obsolete and unsupportable hydraulic stands in order to ensure aircraft availability for ongoing and future operations, while providing greatly improved life cycle cost savings. Systems apply pressure to aircraft hydraulic systems and remove hydraulic fluid contaminants such as water, air, particles and solvents which could lead to mission aborts and/or catastrophic aircraft failure. Diesel UHTS provides mobile flight line hydraulic pressure/purification capability to meet rapid mission generation. Electric UHTS operates off of facility power providing no emission operations for hangar/facility use.</p> <p><b>SUPPORT EQUIPMENT</b> Items Less Than \$5 million The Items Less Than \$5 Million line procures replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. Common items (used on more than one weapon system) and peculiar items (unique to one weapon system) directly support aircraft maintenance and servicing requirements. These replacement items ensure continuation of serviceable equipment over the life of a weapon system, and consist of over 2,800 national stock numbered (NSN) items as well as numerous items which are non-stock listed (NSL). Items for procurement include, the Fast Characterization Tool and the Advanced Control Tester.</p> <p>The Fast Characterization Tool (FaCT) is used to characterize and map the electromagnetic field in aircraft cockpits equipped with the Joint Helmet Mounted Cueing System (JHMCS). There are currently not enough FaCTs within the Air Force inventory to meet required authorizations. Without a sufficient amount of FaCTs, F-15 and F-16 bases will have a reduced ability to map the cockpit and use JHMCS, thereby reducing mission capable rates on the F-15 and F-16 fleets.</p> <p>The ACT replaces the legacy Engine Diagnostic Unit Functional Tester, which has obsolete parts and Diminishing Manufacturing Sources (DMS). If funding is not allocated to procure the ACT, then several bases will have zero or limited engine testing capability on Pratt &amp; Whitney engines which will decrease mission capable rates on F-15 and F-16 fleets. Additionally, without engine testing capability, engines will need to be shipped to other bases for testing, driving increased transportation costs to the Air Force</p>		

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

**Appropriation / Budget Activity / Budget Sub Activity:**  
3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 3: Industrial Preparedness

**P-1 Line Item Number / Title:**  
73 / Industrial Responsiveness

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

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	17.742	22.003	18.802	28.026	0.000	28.026	14.715	15.123	15.539	15.910	-	147.860
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	17.742	22.003	18.802	28.026	0.000	28.026	14.715	15.123	15.539	15.910	-	147.860
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>17.742</b>	<b>22.003</b>	<b>18.802</b>	<b>28.026</b>	<b>0.000</b>	<b>28.026</b>	<b>14.715</b>	<b>15.123</b>	<b>15.539</b>	<b>15.910</b>	-	<b>147.860</b>

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

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

**Description:**

1. The Air Force Industrial Preparedness program element combines the resources of several appropriations (Aircraft Procurement, Missile Procurement, and Operation and Maintenance) to create a comprehensive program that aids in ensuring the defense industry can supply reliable, affordable systems to operational commanders. The Aircraft Procurement part of Industrial Preparedness supports 1) management and upkeep of government-owned industrial plants; 2) management of industrial base assessments; and 3) environmental compliance program at government-owned industrial plants.

2. Three basic activities are funded in this appropriation: Industrial Facilities, Industrial Base Assessments and Environmental Activities (Environmental Compliance).

Industrial Facility Capital Type Rehabilitation cost element (MPC 3000): Provides for repair and expansion, major capital rehabilitation, construction, equipment movement and energy conservation at government-owned, contractor-operated industrial facilities. These plants are the backbone of defense weapon system assembly and maintenance for the B-2, U-2, F-16, F-15SA, P-3 C-130, C-5B, RQ-4 Global Hawk, and F-35 Joint Strike Fighter.

Industrial Base Assessment cost element (MPC 6000): Provides for the identification, analysis and assessment of industrial base concerns dealing with aircraft research and development, production, and sustainment. These assessments provide timely and accurate industrial base information to support Air Force decisions on 1) aircraft weapon system acquisition risks; 2) budget allocation investments; 3) weapon system sustainment and logistics support; and 4) defense industry mergers, acquisitions, and divestitures. Supports joint-Service industrial base planning on shared commodities, technologies, and facilities.

Environmental compliance cost element (MPC 7000) provides for the efforts needed to maintain compliance with federal, state, and local regulatory requirements regarding operation of the government-owned contractor-operated industrial facilities.

Funding for this exhibit is contained in PE 78011F.

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$13.9 million is required to build a new Air Traffic Control Tower at Air Force Plant 42. Plant 42 supports the following programs, Global Hawk, B-2 and other special access programs.

**Justification:**

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Air Force		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 3: Industrial Preparedness		<b>P-1 Line Item Number / Title:</b> 73 / Industrial Responsiveness
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
FY 2017 requirements are for MPC 3000 Capital Type Rehabilitation, MPC 6000 Industrial Base Assessment, and MPC 7000 Environmental Compliance.		

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Air Force **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 5: Other Production Charges	<b>P-1 Line Item Number / Title:</b> 0000751 / Other Production Charges
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	941.343	1,038.472	1,372.824	51.700	1,424.524	1,593.745	1,460.780	1,394.359	1,307.399	-	9,160.622
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	941.343	1,038.472	1,372.824	51.700	1,424.524	1,593.745	1,460.780	1,394.359	1,307.399	-	9,160.622
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>941.343</b>	<b>1,038.472</b>	<b>1,372.824</b>	<b>51.700</b>	<b>1,424.524</b>	<b>1,593.745</b>	<b>1,460.780</b>	<b>1,394.359</b>	<b>1,307.399</b>	-	<b>9,160.622</b>

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

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

**Description:**

The Miscellaneous Production Charges program provides for items which are not directly related to other procurement line items in this appropriation, cannot be reasonably allocated and charged to other procurement line items in this appropriation, can be managed as separate end items, may contain certain classified programs, and may be alternate mission equipment, not considered a modification, for out of production systems.

The major efforts supported in FY17 include funding for sustaining Electronic Attack pods, towed decoys and associated test equipment; F-22 Depot Core Activation; and the required U.S. contribution for projects defined by the NATO Airborne Early Warning and Control (NAEWC) Board of Directors and approved by the U.S. government.

This program has associated Research Development Test and Evaluation funding in PEs 0207249F, 0305116F, 0305164F, 0604233F, 0604240F, 0604735F, 0207138F, 0207170F, 0207136F, 0101113F, and 0205219F.

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$163.3 million is required to address classified requirements.

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