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**Department of Defense
Fiscal Year (FY) 2019 Budget Estimates**

February 2018



Air Force

Justification Book Volume 1 of 2

Aircraft Procurement, Air Force

Vol-1

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Air Force • Budget Estimates FY 2019 • Procurement

Volume 1 Table of Contents

Introduction and Explanation of Contents.....Volume 1 - iii
Comptroller Exhibit P-1.....Volume 1 - v
Master Line Item Table of Contents (by Appropriation then Line Number)..... Volume 1 - xciii
Master Line Item Table of Contents (Alphabetically by Line Item Title)..... Volume 1 - ci
FY19 PB Exhibit MYP.....Volume 1 - cvii
Acronyms..... Volume 1 - cxxiii
Exhibit P-40s..... Volume 1 - 1

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Appropriation Language
Fiscal Year (FY) 2019 Budget Estimates
Aircraft Procurement, Air Force

For construction, procurement, and modification of aircraft and equipment, including armor and armament, specialized ground handling equipment, and training devices, spare parts, and accessories therefor; specialized equipment; expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes including rents, transportation of things, and overseas contingency operations, \$17,225,825,000, to remain available for obligations until September 30, 2021.

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Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation -----	FY 2017 (Base + OCO) -----	FY 2018 PB Request with CR Adj Base -----	FY 2018 Total PB Requests* with CR Adj Base -----	FY 2018 PB Request with CR Adj OCO -----
Aircraft Procurement, Air Force	16,001,410	13,776,229	13,776,229	1,784,069
Missile Procurement, Air Force	2,675,116	2,297,711	2,297,711	318,995
Space Procurement, Air Force	2,750,158	2,612,396	2,612,396	19,900
Procurement of Ammunition, Air Force	2,135,147	1,578,427	1,578,427	544,908
Other Procurement, Air Force	22,974,152	17,587,749	17,587,749	4,833,721
Total Department of the Air Force	46,535,983	37,852,512	37,852,512	7,501,593

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Page F-1

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation -----	FY 2018 Total PB Requests+ with CR Adj OCO -----	FY 2018 Emergency Requests** Emergency -----	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req Emergency -----
Aircraft Procurement, Air Force	1,784,069			
Missile Procurement, Air Force	318,995	12,000	-12,000	
Space Procurement, Air Force	19,900			
Procurement of Ammunition, Air Force	544,908			
Other Procurement, Air Force	4,833,721	288,055	-288,055	
Total Department of the Air Force	7,501,593	300,055	-300,055	

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-1A

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation -----	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency** -----	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency -----
Aircraft Procurement, Air Force	15,560,298		15,560,298
Missile Procurement, Air Force	2,628,706	-12,000	2,616,706
Space Procurement, Air Force	2,632,296		2,632,296
Procurement of Ammunition, Air Force	2,123,335		2,123,335
Other Procurement, Air Force	22,709,525	-288,055	22,421,470
Total Department of the Air Force	45,654,160	-300,055	45,354,105

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-1B

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
FY 2019 President's Budget
Exhibit P-1 FY 2019 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2018

Appropriation -----	FY 2019 Base -----	FY 2019 OCO -----	FY 2019 Total -----
Aircraft Procurement, Air Force	16,206,937	1,018,888	17,225,825
Missile Procurement, Air Force	2,669,454	493,526	3,162,980
Space Procurement, Air Force	2,527,542		2,527,542
Procurement of Ammunition, Air Force	1,587,304	1,421,516	3,008,820
Other Procurement, Air Force	20,566,125	4,049,983	24,616,108
Total Department of the Air Force	43,557,362	6,983,913	50,541,275

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

Page F-1C

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: Aircraft Procurement, Air Force

Budget Activity	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO
01. Combat Aircraft	5,082,394	5,324,984	5,324,984	
02. Airlift Aircraft	3,832,779	3,211,257	3,211,257	
04. Other Aircraft	838,370	229,677	229,677	271,080
05. Modification of Inservice Aircraft	3,326,605	3,573,914	3,573,914	314,831
06. Aircraft Spares and Repair Parts	1,013,994	1,041,569	1,041,569	129,450
07. Aircraft Supt Equipment & Facilities	1,907,268	2,049,448	2,049,448	25,417
20. Undistributed		-1,654,620	-1,654,620	1,043,291
Total Aircraft Procurement, Air Force	16,001,410	13,776,229	13,776,229	1,784,069

UNCLASSIFIED

UNCLASSIFIED

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-2

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
FY 2019 President's Budget
Exhibit P-1 FY 2019 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2018

Appropriation: Aircraft Procurement, Air Force

Budget Activity -----	FY 2018 Total PB Requests+ with CR Adj OCO -----	FY 2018 Emergency Requests** Emergency -----	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req Emergency -----
01. Combat Aircraft				
02. Airlift Aircraft				
04. Other Aircraft	271,080			
05. Modification of Inservice Aircraft	314,831			
06. Aircraft Spares and Repair Parts	129,450			
07. Aircraft Supt Equipment & Facilities	25,417			
20. Undistributed	1,043,291			
Total Aircraft Procurement, Air Force	1,784,069			

UNCLASSIFIED

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-2A

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: Aircraft Procurement, Air Force

Budget Activity	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency**	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency
-----	-----	-----	-----
01. Combat Aircraft	5,324,984		5,324,984
02. Airlift Aircraft	3,211,257		3,211,257
04. Other Aircraft	500,757		500,757
05. Modification of Inservice Aircraft	3,888,745		3,888,745
06. Aircraft Spares and Repair Parts	1,171,019		1,171,019
07. Aircraft Supt Equipment & Facilities	2,074,865		2,074,865
20. Undistributed	-611,329		-611,329
Total Aircraft Procurement, Air Force	15,560,298		15,560,298

UNCLASSIFIED

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-2B

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
FY 2019 President's Budget
Exhibit P-1 FY 2019 President's Budget
Total Obligational Authority
(Dollars in Thousands)

01 Feb 2018

Appropriation: Aircraft Procurement, Air Force

Budget Activity -----	FY 2019 Base -----	FY 2019 OCO -----	FY 2019 Total -----
01. Combat Aircraft	4,889,197		4,889,197
02. Airlift Aircraft	3,713,407	100,000	3,813,407
04. Other Aircraft	1,151,793	353,240	1,505,033
05. Modification of Inservice Aircraft	3,697,629	419,619	4,117,248
06. Aircraft Spares and Repair Parts	956,408	91,500	1,047,908
07. Aircraft Supt Equipment & Facilities	1,798,503	54,529	1,853,032
20. Undistributed			
Total Aircraft Procurement, Air Force	16,206,937	1,018,888	17,225,825

UNCLASSIFIED

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

Page F-2C

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 (Base + OCO)		FY 2018 PB Request with CR Adj Base		FY 2018 Total PB Requests* with CR Adj Base		FY 2018 PB Request with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Combat Aircraft											
Tactical Forces											
1	F-35	A	48	(5,091,154)	46	(4,949,184)	46	(4,949,184)			U
	Less: Advance Procurement (PY)			(-413,260)		(-404,500)		(-404,500)			U
				4,677,894		4,544,684		4,544,684			
2	F-35			404,500		780,300		780,300			U
	Advance Procurement (CY)			(404,500)							
	C (FY 2017 for FY 2018) (M)										
	C (FY 2018 for FY 2019) (M)					(608,100)		(608,100)			
	C (FY 2018 for FY 2020) (M)					(172,200)		(172,200)			
	C (FY 2019 for FY 2020) (M)										
Other Combat Aircraft											
3	C-135B	A									U
Total Combat Aircraft				5,082,394		5,324,984		5,324,984			
Budget Activity 02: Airlift Aircraft											
Tactical Airlift											
4	C-130J	A	5	416,654							U
5	KC-46A Tanker	A	15	2,567,191	15	2,545,674	15	2,545,674			U
Other Airlift											
6	C-130J	A				(57,708)		(57,708)			U

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Less: Advance Procurement (PY)

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-38,000

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-3

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total		FY 2018		FY 2018		FY 2018		S e c
			Quantity	Cost	Emergency Requests**	Cost	Less Enacted Div B	Quantity	Cost	Remaining Req	
Budget Activity 01: Combat Aircraft											
Tactical Forces											
1	F-35	A									U
	Less: Advance Procurement (PY)										U
2	F-35										U
	Advance Procurement (CY)										
	C (FY 2017 for FY 2018) (M)										
	C (FY 2018 for FY 2019) (M)										
	C (FY 2018 for FY 2020) (M)										
	C (FY 2019 for FY 2020) (M)										
Other Combat Aircraft											
3	C-135B	A									U
Total Combat Aircraft											
Budget Activity 02: Airlift Aircraft											
Tactical Airlift											
4	C-130J	A									U
5	KC-46A Tanker	A									U
Other Airlift											
6	C-130J	A									U

UNCLASSIFIED

UNCLASSIFIED

Less: Advance Procurement (PY)

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-3A

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total		FY 2018 Less Enacted		FY 2018 Remaining Req		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Combat Aircraft									
Tactical Forces									
1	F-35	A	46	(4,949,184)			46	(4,949,184)	U
	Less: Advance Procurement (PY)			(-404,500)				(-404,500)	U
				4,544,684				4,544,684	
2	F-35			780,300				780,300	U
	Advance Procurement (CY)								
	C (FY 2017 for FY 2018) (M)			(608,100)				(608,100)	
	C (FY 2018 for FY 2019) (M)			(172,200)				(172,200)	
	C (FY 2018 for FY 2020) (M)								
	C (FY 2019 for FY 2020) (M)								
Other Combat Aircraft									
3	C-135B	A							U
Total Combat Aircraft				5,324,984				5,324,984	

Budget Activity 02: Airlift Aircraft

Tactical Airlift

4	C-130J	A							U
5	KC-46A Tanker	A	15	2,545,674			15	2,545,674	U
Other Airlift									
6	C-130J	A		(57,708)				(57,708)	U

UNCLASSIFIED

UNCLASSIFIED

Less: Advance Procurement (PY)

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-3B

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2019 Base Quantity	FY 2019 Base Cost	FY 2019 OCO Quantity	FY 2019 OCO Cost	FY 2019 Total Quantity	FY 2019 Total Cost	Se
Budget Activity 01: Combat Aircraft									
Tactical Forces									
1	F-35	A	48	(4,869,121)			48	(4,869,121)	U
	Less: Advance Procurement (PY)			(-608,100)				(-608,100)	U
				4,261,021				4,261,021	
2	F-35			406,000				406,000	U
	Advance Procurement (CY)								
	C (FY 2017 for FY 2018) (M)								
	C (FY 2018 for FY 2019) (M)								
	C (FY 2018 for FY 2020) (M)								
	C (FY 2019 for FY 2020) (M)			(406,000)				(406,000)	
Other Combat Aircraft									
3	C-135B	A	2	222,176			2	222,176	U
Total Combat Aircraft				4,889,197				4,889,197	
Budget Activity 02: Airlift Aircraft									
Tactical Airlift									
4	C-130J	A		35,858				35,858	U
5	KC-46A Tanker	A	15	2,559,911			15	2,559,911	U
Other Airlift									
6	C-130J	A							U

UNCLASSIFIED

UNCLASSIFIED

Less: Advance Procurement (PY)

U

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-3C

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 (Base + OCO)		FY 2018 PB Request with CR Adj Base		FY 2018 Total PB Requests* with CR Adj Base		FY 2018 PB Request with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
7	HC-130J	A	4	(359,576)	2	(218,502)	2	(218,502)			U
	Less: Advance Procurement (PY)			(-42,000)		(-20,000)		(-20,000)			U
				317,576		198,502		198,502			
8	HC-130J			20,000							U
	Advance Procurement (CY)			(20,000)							
	C (FY 2017 for FY 2018) (M)										
9	MC-130J	A	6	(579,358)	5	(453,373)	5	(453,373)			U
	Less: Advance Procurement (PY)			(-80,000)		(-74,000)		(-74,000)			U
				499,358		379,373		379,373			
10	MC-130J			50,000		30,000		30,000			U
	Advance Procurement (CY)			(50,000)							
	C (FY 2017 for FY 2018) (M)										
	C (FY 2018 for FY 2019) (M)					(30,000)		(30,000)			
	C (FY 2019 for FY 2020) (M)										
	C (FY 2019 for FY 2021) (M)										
	C (FY 2019 for FY 2022) (M)										
	C (FY 2019 for FY 2023) (M)										
Total Airlift Aircraft				3,832,779		3,211,257		3,211,257			

Budget Activity 04: Other Aircraft

Helicopters

11	UH-1N Replacement	A		18,337							U
12	Combat Rescue Helicopter	A									U
13	CV-22 (MYP)	A	1	97,000							U

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-4

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total		FY 2018 Emergency		FY 2018 Less Enacted		FY 2018 Remaining Req		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
7	HC-130J Less: Advance Procurement (PY)	A									U U
8	HC-130J Advance Procurement (CY) C (FY 2017 for FY 2018) (M)										U
9	MC-130J Less: Advance Procurement (PY)	A									U U
10	MC-130J Advance Procurement (CY) C (FY 2017 for FY 2018) (M) C (FY 2018 for FY 2019) (M) C (FY 2019 for FY 2020) (M) C (FY 2019 for FY 2021) (M) C (FY 2019 for FY 2022) (M) C (FY 2019 for FY 2023) (M)										U
Total Airlift Aircraft											
Budget Activity 04: Other Aircraft											

Helicopters											
11	UH-1N Replacement	A									U
12	Combat Rescue Helicopter	A									U
13	CV-22 (MYP)	A									U

UNCLASSIFIED

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-4A

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total		FY 2018 Less Enacted		FY 2018 Remaining Req		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
7	HC-130J	A	2	(218,502)			2	(218,502)	U
	Less: Advance Procurement (PY)			(-20,000)				(-20,000)	U
				198,502				198,502	
8	HC-130J								U
	Advance Procurement (CY)								
	C (FY 2017 for FY 2018) (M)								
9	MC-130J	A	5	(453,373)			5	(453,373)	U
	Less: Advance Procurement (PY)			(-74,000)				(-74,000)	U
				379,373				379,373	
10	MC-130J								
	Advance Procurement (CY)			30,000				30,000	U
	C (FY 2017 for FY 2018) (M)								
	C (FY 2018 for FY 2019) (M)			(30,000)				(30,000)	
	C (FY 2019 for FY 2020) (M)								
	C (FY 2019 for FY 2021) (M)								
	C (FY 2019 for FY 2022) (M)								
	C (FY 2019 for FY 2023) (M)								
	Total Airlift Aircraft			3,211,257				3,211,257	

Budget Activity 04: Other Aircraft

Helicopters

11	UH-1N Replacement	A							U
12	Combat Rescue Helicopter	A							U
13	CV-22 (MYP)	A							U

UNCLASSIFIED

UNCLASSIFIED

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-4B

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2019 Base Quantity	FY 2019 Base Cost	FY 2019 OCO Quantity	FY 2019 OCO Cost	FY 2019 Total Quantity	FY 2019 Total Cost	Se
7	HC-130J	A	1	(129,437)	1	(100,000)	2	(229,437)	U
	Less: Advance Procurement (PY)								U
				129,437		100,000		229,437	
8	HC-130J								U
	Advance Procurement (CY)								
	C (FY 2017 for FY 2018) (M)								
9	MC-130J	A	6	(800,201)			6	(800,201)	U
	Less: Advance Procurement (PY)			(-30,000)				(-30,000)	U
				770,201				770,201	
10	MC-130J								U
	Advance Procurement (CY)			218,000				218,000	
	C (FY 2017 for FY 2018) (M)								
	C (FY 2018 for FY 2019) (M)								
	C (FY 2019 for FY 2020) (M)			(182,000)				(182,000)	
	C (FY 2019 for FY 2021) (M)			(16,000)				(16,000)	
	C (FY 2019 for FY 2022) (M)			(12,000)				(12,000)	
	C (FY 2019 for FY 2023) (M)			(8,000)				(8,000)	
				3,713,407		100,000		3,813,407	

Total Airlift Aircraft

Budget Activity 04: Other Aircraft

Helicopters

11	UH-1N Replacement	A							U
12	Combat Rescue Helicopter	A	10	680,201			10	680,201	U
13	CV-22 (MYP)	A							U

UNCLASSIFIED

UNCLASSIFIED

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

Page F-4C

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 (Base + OCO)		FY 2018 PB Request with CR Adj Base		FY 2018 Total PB Requests* with CR Adj Base		FY 2018 PB Request with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Mission Support Aircraft											
14	Civil Air Patrol A/C	A	6	10,337	6	2,695	6	2,695			U
Other Aircraft											
15	Target Drones	A	33	114,656	42	109,841	42	109,841			U
16	Compass Call Mods	A		103,000							U
17	RQ-4	A		6,488							U
18	MQ-9	A	24	488,552		117,141		117,141	32	271,080	U
19	RQ-20B Puma	A									U
Total Other Aircraft				838,370		229,677		229,677		271,080	
Budget Activity 05: Modification of Inservice Aircraft											
Strategic Aircraft											
20	B-2A	A		38,950		96,727		96,727			U
21	B-1B	A		150,319		155,634		155,634			U
22	B-52	A		109,020		109,295		109,295			U
23	Large Aircraft Infrared Countermeasures	A		135,801		4,046		4,046			U
Tactical Aircraft											
24	A-10	A		82,789		6,010		6,010			U

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25 C-130J	A					U
26 F-15	A	145,406	417,193	417,193		U

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Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total		FY 2018 Emergency		FY 2018 Less Enacted		FY 2018 Remaining		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Mission Support Aircraft											
14	Civil Air Patrol A/C	A									U
Other Aircraft											
15	Target Drones	A									U
16	Compass Call Mods	A									U
17	RQ-4	A									U
18	MQ-9	A	32	271,080							U
19	RQ-20B Puma	A									U
Total Other Aircraft				271,080							
Budget Activity 05: Modification of Inservice Aircraft											

Strategic Aircraft											
20	B-2A	A									U
21	B-1B	A									U
22	B-52	A									U
23	Large Aircraft Infrared Countermeasures	A									U
Tactical Aircraft											
24	A-10	A									U

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UNCLASSIFIED

25 C-130J

A

U

26 F-15

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-5A

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total		FY 2018 Less Enacted		FY 2018 Remaining Req		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Mission Support Aircraft									
14	Civil Air Patrol A/C	A	6	2,695			6	2,695	U
Other Aircraft									
15	Target Drones	A	42	109,841			42	109,841	U
16	Compass Call Mods	A							U
17	RQ-4	A							U
18	MQ-9	A	32	388,221			32	388,221	U
19	RQ-20B Puma	A							U
Total Other Aircraft				500,757				500,757	
Budget Activity 05: Modification of Inservice Aircraft									
Strategic Aircraft									
20	B-2A	A		96,727				96,727	U
21	B-1B	A		155,634				155,634	U
22	B-52	A		109,295				109,295	U
23	Large Aircraft Infrared Countermeasures	A		4,046				4,046	U
Tactical Aircraft									
24	A-10	A		6,010				6,010	U

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25 C-130J	A		U
26 F-15	A	417,193	417,193 U

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

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UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2019 Base Quantity	FY 2019 Base Cost	FY 2019 OCO Quantity	FY 2019 OCO Cost	FY 2019 Total Quantity	FY 2019 Total Cost	Se
Mission Support Aircraft									
14	Civil Air Patrol A/C	A	4	2,719			4	2,719	U
Other Aircraft									
15	Target Drones	A	48	139,053			48	139,053	U
16	Compass Call Mods	A	1	108,113			1	108,113	U
17	RQ-4	A							U
18	MQ-9	A	8	221,707	21	339,740	29	561,447	U
19	RQ-20B Puma	A				13,500		13,500	U
Total Other Aircraft				1,151,793		353,240		1,505,033	
Budget Activity 05: Modification of Inservice Aircraft									
Strategic Aircraft									
20	B-2A	A		60,301				60,301	U
21	B-1B	A		51,290		4,000		55,290	U
22	B-52	A		105,519				105,519	U
23	Large Aircraft Infrared Countermeasures	A				149,778		149,778	U
Tactical Aircraft									
24	A-10	A		98,720		10,350		109,070	U

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25 C-130J	A	10,831	10,831 U
26 F-15	A	548,109	548,109 U

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

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UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 (Base + OCO)		FY 2018 PB Request with CR Adj Base		FY 2018 Total PB Requests* with CR Adj Base		FY 2018 PB Request with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
27	F-16	A		274,331		203,864		203,864			U
28	F-16	A									U
29	F-22A	A		(146,008)		(161,630)		(161,630)			U
	Less: Advance Procurement (PY)										U
				-----		-----		-----		-----	
				146,008		161,630		161,630			
30	F-22A										
	Advance Procurement (CY)					15,000		15,000			U
	C (FY 2018 for FY 2019) (M)					(15,000)		(15,000)			
31	F-35 Modifications	A		115,811		68,270		68,270			U
32	F-15 EPAW	A									U
33	Increment 3.2b	A		(76,410)	72	(107,756)	72	(107,756)			U
	Less: Advance Procurement (PY)					(-2,000)		(-2,000)			U
				-----		-----		-----		-----	
				76,410		105,756		105,756			
34	Increment 3.2b										
	Advance Procurement (CY)					2,000					U
	C (FY 2017 for FY 2018) (M)					(2,000)					
35	KC-46A Tanker	A				6,213		6,213			U
	Airlift Aircraft										
36	C-5	A		24,192		36,592		36,592			U
37	C-5M	A				6,817		6,817			U
38	C-17A	A		17,455		125,522		125,522		26,850	U

UNCLASSIFIED

UNCLASSIFIED

39 C-21

A

439

13,253

13,253

U

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-6

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total PB Requests+ with CR Adj OCO		FY 2018 Emergency Requests**		FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs		FY 2018 Remaining Req Emergency		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
27	F-16	A									U
28	F-16	A									U
29	F-22A	A									U
	Less: Advance Procurement (PY)										U
30	F-22A										U
	Advance Procurement (CY)										U
	C (FY 2018 for FY 2019) (M)										U
31	F-35 Modifications	A									U
32	F-15 EPAW	A									U
33	Increment 3.2b	A									U
	Less: Advance Procurement (PY)										U
34	Increment 3.2b										U
	Advance Procurement (CY)										U
	C (FY 2017 for FY 2018) (M)										U
35	KC-46A Tanker	A									U
Airlift Aircraft											
36	C-5	A									U
37	C-5M	A									U
38	C-17A	A		26,850							U

UNCLASSIFIED

UNCLASSIFIED

39 C-21

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-6A

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total		FY 2018 Less Enacted		FY 2018 Remaining Req		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
27	F-16	A		203,864			203,864		U	
28	F-16	A							U	
29	F-22A	A		(161,630)			(161,630)		U	
	Less: Advance Procurement (PY)								U	
				161,630			161,630			
30	F-22A			15,000			15,000		U	
	Advance Procurement (CY)			(15,000)			(15,000)		U	
	C (FY 2018 for FY 2019) (M)									
31	F-35 Modifications	A		68,270			68,270		U	
32	F-15 EPAW	A							U	
33	Increment 3.2b	A	72	(107,756)			72	(107,756)	U	
	Less: Advance Procurement (PY)			(-2,000)				(-2,000)	U	
				105,756			105,756			
34	Increment 3.2b								U	
	Advance Procurement (CY)									
	C (FY 2017 for FY 2018) (M)									
35	KC-46A Tanker	A		6,213			6,213		U	
Airlift Aircraft										
36	C-5	A		36,592			36,592		U	
37	C-5M	A		6,817			6,817		U	
38	C-17A	A		152,372			152,372		U	

UNCLASSIFIED

UNCLASSIFIED

39 C-21

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13,253

13,253 U

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-6B

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2019 Base		FY 2019 OCO		FY 2019 Total		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
27	F-16	A		324,312			324,312		U	
28	F-16	A		11			11		U	
29	F-22A	A		(265,710)			(265,710)		U	
	Less: Advance Procurement (PY)			(-15,000)			(-15,000)		U	
				250,710			250,710			
30	F-22A								U	
	Advance Procurement (CY)									
	C (FY 2018 for FY 2019) (M)									
31	F-35 Modifications	A		247,271			247,271		U	
32	F-15 EPAW	A		147,685			147,685		U	
33	Increment 3.2b	A		(9,007)			(9,007)		U	
	Less: Advance Procurement (PY)								U	
				9,007			9,007			
34	Increment 3.2b								U	
	Advance Procurement (CY)									
	C (FY 2017 for FY 2018) (M)									
35	KC-46A Tanker	A		8,547			8,547		U	
Airlift Aircraft										
36	C-5	A		77,845			77,845		U	
37	C-5M	A							U	
38	C-17A	A		102,121			102,121		U	

UNCLASSIFIED

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UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 (Base + OCO)		FY 2018 PB Request with CR Adj Base		FY 2018 Total PB Requests* with CR Adj Base		FY 2018 PB Request with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
40	C-32A	A		30,235		79,449		79,449			U
41	C-37A	A		5,004		15,423		15,423			U
42	C-130J	A				10,727		10,727			U
Trainer Aircraft											
43	Glider Mods	A		473		136		136			U
44	T-6	A		12,765		35,706		35,706			U
45	T-1	A		13,294		21,477		21,477			U
46	T-38	A		33,590		51,641		51,641			U
Other Aircraft											
47	U-2 Mods			36,074		36,406		36,406			U
48	KC-10A (ATCA)	A		4,570		4,243		4,243			U
49	C-12	A		2,298		5,846		5,846			U
50	VC-25A Mod	A		102,452		52,107		52,107			U
51	C-40	A		13,884		31,119		31,119			U
52	C-130	A		230,168		66,310		66,310			U
53	C-130J Mods	A		89,424		171,230		171,230	8,400		U
54	C-135	A		64,161		69,428		69,428			U
55	OC-135B	A				23,091		23,091			U

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56 Compass Call Mods	A	212,657	166,541	166,541	56,720 U
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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-7

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total PB Requests+ with CR Adj OCO		FY 2018 Emergency Requests**		FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs		FY 2018 Remaining Req Emergency		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
40	C-32A	A									U
41	C-37A	A									U
42	C-130J	A									U
Trainer Aircraft											
43	Glider Mods	A									U
44	T-6	A									U
45	T-1	A									U
46	T-38	A									U
Other Aircraft											
47	U-2 Mods										U
48	KC-10A (ATCA)	A									U
49	C-12	A									U
50	VC-25A Mod	A									U
51	C-40	A									U
52	C-130	A									U
53	C-130J Mods	A		8,400							U
54	C-135	A									U
55	OC-135B	A									U

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UNCLASSIFIED

56 Compass Call Mods

A

56,720

U

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-7A

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total		FY 2018 Less Enacted		FY 2018 Remaining Req		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
40	C-32A	A		79,449			79,449		U	
41	C-37A	A		15,423			15,423		U	
42	C-130J	A		10,727			10,727		U	
Trainer Aircraft										
43	Glider Mods	A		136			136		U	
44	T-6	A		35,706			35,706		U	
45	T-1	A		21,477			21,477		U	
46	T-38	A		51,641			51,641		U	
Other Aircraft										
47	U-2 Mods			36,406			36,406		U	
48	KC-10A (ATCA)	A		4,243			4,243		U	
49	C-12	A		5,846			5,846		U	
50	VC-25A Mod	A		52,107			52,107		U	
51	C-40	A		31,119			31,119		U	
52	C-130	A		66,310			66,310		U	
53	C-130J Mods	A		179,630			179,630		U	
54	C-135	A		69,428			69,428		U	
55	OC-135B	A		23,091			23,091		U	

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56 Compass Call Mods

A

223,261

223,261 U

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-7B

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2019 Base Quantity	Cost	FY 2019 OCO Quantity	Cost	FY 2019 Total Quantity	Cost	Se c
40	C-32A	A		4,537			4,537		U
41	C-37A	A		419			419		U
42	C-130J	A							U
Trainer Aircraft									
43	Glider Mods	A		137			137		U
44	T-6	A		22,550			22,550		U
45	T-1	A		21,952			21,952		U
46	T-38	A		70,623			70,623		U
Other Aircraft									
47	U-2 Mods			48,774		7,900	56,674		U
48	KC-10A (ATCA)	A		11,104			11,104		U
49	C-12	A		4,900			4,900		U
50	VC-25A Mod	A		36,938			36,938		U
51	C-40	A		251			251		U
52	C-130	A		22,094			22,094		U
53	C-130J Mods	A		132,045			132,045		U
54	C-135	A		113,076			113,076		U
55	OC-135B	A		5,913			5,913		U

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56 Compass Call Mods

A

49,885

36,400

86,285 U

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-7C

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 (Base + OCO)		FY 2018 PB Request with CR Adj Base		FY 2018 Total PB Requests* with CR Adj Base		FY 2018 PB Request with CR Adj OCO		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost		
57	combat flight inspection (CFIN)	A				495			495			U
58	RC-135	A		217,238		201,559			201,559			U
59	E-3	A		89,386		189,772			189,772			U
60	E-4	A		53,348		30,493			30,493			U
61	E-8	A		28,944		13,232			13,232		3,000	U
62	Airborne Warning and Cntr Sys (AWACS) 40/45	A		245,227		164,786			164,786			U
63	Family of Beyond Line-of-Sight Terminals	A		4,673		24,716			24,716			U
64	H-1	A		9,007		3,730			3,730			U
65	H-60	A		94,057		75,989			75,989			U
66	RQ-4 Mods	A		32,045		43,968			43,968			U
67	HC/MC-130 Modifications	A		51,317		67,674			67,674		153,080	U
68	Other Aircraft	A		41,386		59,068			59,068		10,381	U
69	MQ-9 Mods	A		203,697		264,740			264,740		56,400	U
70	MQ-9 UAS Payloads	A		22,905								U
71	CV-22 Mods	A		63,395		60,990			60,990			U
Total Modification of Inservice Aircraft				3,326,605		3,573,914			3,573,914		314,831	

UNCLASSIFIED

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-8

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total PB Requests+ with CR Adj OCO		FY 2018 Emergency Requests**		FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs		FY 2018 Remaining Req Emergency		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
57	combat flight inspection (CFIN)	A									U
58	RC-135	A									U
59	E-3	A									U
60	E-4	A									U
61	E-8	A		3,000							U
62	Airborne Warning and Cntr Sys (AWACS) 40/45	A									U
63	Family of Beyond Line-of-Sight Terminals	A									U
64	H-1	A									U
65	H-60	A									U
66	RQ-4 Mods	A									U
67	HC/MC-130 Modifications	A		153,080							U
68	Other Aircraft	A		10,381							U
69	MQ-9 Mods	A		56,400							U
70	MQ-9 UAS Payloads	A									U
71	CV-22 Mods	A									U
Total Modification of Inservice Aircraft				314,831							

UNCLASSIFIED

UNCLASSIFIED

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-8A

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency**		FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs		FY 2018 Remaining Req with CR Adj Base + OCO + Emergency		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
57	combat flight inspection (CFIN)	A		495			495		U
58	RC-135	A		201,559			201,559		U
59	E-3	A		189,772			189,772		U
60	E-4	A		30,493			30,493		U
61	E-8	A		16,232			16,232		U
62	Airborne Warning and Cntr Sys (AWACS) 40/45	A		164,786			164,786		U
63	Family of Beyond Line-of-Sight Terminals	A		24,716			24,716		U
64	H-1	A		3,730			3,730		U
65	H-60	A		75,989			75,989		U
66	RQ-4 Mods	A		43,968			43,968		U
67	HC/MC-130 Modifications	A		220,754			220,754		U
68	Other Aircraft	A		69,449			69,449		U
69	MQ-9 Mods	A		321,140			321,140		U
70	MQ-9 UAS Payloads	A							U
71	CV-22 Mods	A		60,990			60,990		U
Total Modification of Inservice Aircraft				3,888,745			3,888,745		

UNCLASSIFIED

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-8B

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2019 Base Quantity	Cost	FY 2019 OCO Quantity	Cost	FY 2019 Total Quantity	Cost	S e c
57	combat flight inspection (CFIN)	A		499				499	U
58	RC-135	A		394,532				394,532	U
59	E-3	A		133,906				133,906	U
60	E-4	A		67,858				67,858	U
61	E-8	A		9,919		13,000		22,919	U
62	Airborne Warning and Cntr Sys (AWACS) 40/45	A		57,780				57,780	U
63	Family of Beyond Line-of-Sight Terminals	A		14,293				14,293	U
64	H-1	A		2,940				2,940	U
65	H-60	A		55,466		40,560		96,026	U
66	RQ-4 Mods	A		23,715				23,715	U
67	HC/MC-130 Modifications	A		37,754		87,900		125,654	U
68	Other Aircraft	A		62,010		53,731		115,741	U
69	MQ-9 Mods	A		171,548				171,548	U
70	MQ-9 UAS Payloads	A				16,000		16,000	U
71	CV-22 Mods	A		60,416				60,416	U
Total Modification of Inservice Aircraft				3,697,629		419,619		4,117,248	

UNCLASSIFIED

UNCLASSIFIED

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-8C

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 (Base + OCO)		FY 2018 PB Request with CR Adj Base		FY 2018 Total PB Requests* with CR Adj Base		FY 2018 PB Request with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 06: Aircraft Spares and Repair Parts											

Aircraft Spares and Repair Parts											
72	Initial Spares/Repair Parts	A		1,013,994		1,041,569		1,041,569		129,450	U
Total Aircraft Spares and Repair Parts				1,013,994		1,041,569		1,041,569		129,450	
Budget Activity 07: Aircraft Supt Equipment & Facilities											

Common Support Equipment											
73	Aircraft Replacement Support Equip	A		110,455		75,846		75,846		25,417	U
74	Other Production Charges	A				8,524		8,524			U
75	T-53A Trainer	A				501		501			U
Post Production Support											
76	B-2A	A		154		447		447			U
77	B-2B	A		51,097		38,509		38,509			U
78	B-52	A		28,125		199		199			U
79	C-17A	A		83,859		12,028		12,028			U
80	RC-135	A				29,700		29,700			U
81	F-15	A				20,000		20,000			U
82	F-15	A		2,980		2,524		2,524			U

UNCLASSIFIED

UNCLASSIFIED

83 F-16

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-9

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total PB Requests+ with CR Adj OCO		FY 2018 Emergency Requests** Emergency		FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs		FY 2018 Remaining Req Emergency		S e c -
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 06: Aircraft Spares and Repair Parts											

Aircraft Spares and Repair Parts											
72	Initial Spares/Repair Parts	A		129,450							U

Total Aircraft Spares and Repair Parts				129,450							
Budget Activity 07: Aircraft Supt Equipment & Facilities											

Common Support Equipment											
73	Aircraft Replacement Support Equip	A		25,417							U
74	Other Production Charges	A									U
75	T-53A Trainer	A									U
Post Production Support											
76	B-2A	A									U
77	B-2B	A									U
78	B-52	A									U
79	C-17A	A									U
80	RC-135	A									U
81	F-15	A									U
82	F-15	A									U

UNCLASSIFIED

UNCLASSIFIED

83 F-16

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P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-9A

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total		FY 2018 Less Enacted		FY 2018 Remaining Req		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 06: Aircraft Spares and Repair Parts									

Aircraft Spares and Repair Parts									
72	Initial Spares/Repair Parts	A		1,171,019				1,171,019	U
Total Aircraft Spares and Repair Parts				1,171,019				1,171,019	
Budget Activity 07: Aircraft Supt Equipment & Facilities									

Common Support Equipment									
73	Aircraft Replacement Support Equip	A		101,263				101,263	U
74	Other Production Charges	A		8,524				8,524	U
75	T-53A Trainer	A		501				501	U
Post Production Support									
76	B-2A	A		447				447	U
77	B-2B	A		38,509				38,509	U
78	B-52	A		199				199	U
79	C-17A	A		12,028				12,028	U
80	RC-135	A		29,700				29,700	U
81	F-15	A		20,000				20,000	U
82	F-15	A		2,524				2,524	U

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2019 Base Quantity Cost	FY 2019 OCO Quantity Cost	FY 2019 Total Quantity Cost	Se c
Budget Activity 06: Aircraft Spares and Repair Parts						

Aircraft Spares and Repair Parts						
72	Initial Spares/Repair Parts	A	956,408	91,500	1,047,908	U
Total Aircraft Spares and Repair Parts			956,408	91,500	1,047,908	
Budget Activity 07: Aircraft Supt Equipment & Facilities						

Common Support Equipment						
73	Aircraft Replacement Support Equip	A	81,241	32,529	113,770	U
74	Other Production Charges	A		22,000	22,000	U
75	T-53A Trainer	A				U
Post Production Support						
76	B-2A	A	1,763		1,763	U
77	B-2B	A	35,861		35,861	U
78	B-52	A	12,819		12,819	U
79	C-17A	A	10,114		10,114	U
80	RC-135	A				U
81	F-15	A	2,545		2,545	U
82	F-15	A				U

UNCLASSIFIED

UNCLASSIFIED

83 F-16 A 11,718 11,718 U

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-9C

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 (Base + OCO)		FY 2018 PB Request with CR Adj Base		FY 2018 Total PB Requests* with CR Adj Base		FY 2018 PB Request with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
84	F-22A	A		48,505		119,566		119,566			U
85	Other Aircraft	A		23,192		85,000		85,000			U
86	RQ-4 Post Production Charges	A		99		86,695		86,695			U
87	CV-22 Mods	A				4,500		4,500			U
Industrial Preparedness											
88	Industrial Responsiveness	A		14,126		14,739		14,739			U
89	C-130J	A				102,000		102,000			U
War Consumables											
90	War Consumables	A		120,036		37,647		37,647			U
Other Production Charges											
91	Other Production Charges	A		1,401,380		1,339,160		1,339,160			U
93	Spectrum Relocation Fund	A		2,918							U
94	Other Aircraft	A				600		600			U
999	Classified Programs			16,952		53,212		53,212			U
Total Aircraft Supt Equipment & Facilities				1,907,268		2,049,448		2,049,448		25,417	

UNCLASSIFIED

UNCLASSIFIED

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

Page F-10

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total PB Requests+ with CR Adj OCO		FY 2018 Emergency Requests**		FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs		FY 2018 Remaining Req Emergency		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
84	F-22A	A									U
85	Other Aircraft	A									U
86	RQ-4 Post Production Charges	A									U
87	CV-22 Mods	A									U
	Industrial Preparedness										
88	Industrial Responsiveness	A									U
89	C-130J	A									U
	War Consumables										
90	War Consumables	A									U
	Other Production Charges										
91	Other Production Charges	A									U
93	Spectrum Relocation Fund	A									U
94	Other Aircraft	A									U
999	Classified Programs										U
Total Aircraft Supt Equipment & Facilities				25,417							

UNCLASSIFIED

UNCLASSIFIED

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-10A

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total		FY 2018 Less Enacted		FY 2018 Remaining Req		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
84	F-22A	A		119,566			119,566		U	
85	Other Aircraft	A		85,000			85,000		U	
86	RQ-4 Post Production Charges	A		86,695			86,695		U	
87	CV-22 Mods	A		4,500			4,500		U	
Industrial Preparedness										
88	Industrial Responsiveness	A		14,739			14,739		U	
89	C-130J	A		102,000			102,000		U	
War Consumables										
90	War Consumables	A		37,647			37,647		U	
Other Production Charges										
91	Other Production Charges	A		1,339,160			1,339,160		U	
93	Spectrum Relocation Fund	A							U	
94	Other Aircraft	A		600			600		U	
999	Classified Programs			53,212			53,212		U	
Total Aircraft Supt Equipment & Facilities				2,074,865			2,074,865			

UNCLASSIFIED

UNCLASSIFIED

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

Page F-10B

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2019 Base		FY 2019 OCO		FY 2019 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
84	F-22A	A		14,489			14,489		U
85	Other Aircraft	A		9,928			9,928		U
86	RQ-4 Post Production Charges	A		40,641			40,641		U
87	CV-22 Mods	A							U
Industrial Preparedness									
88	Industrial Responsiveness	A		17,378			17,378		U
89	C-130J	A							U
War Consumables									
90	War Consumables	A		29,342			29,342		U
Other Production Charges									
91	Other Production Charges	A		1,502,386			1,502,386		U
93	Spectrum Relocation Fund	A							U
94	Other Aircraft	A							U
999	Classified Programs			28,278			28,278		U
Total Aircraft Supt Equipment & Facilities				1,798,503		54,529	1,853,032		

UNCLASSIFIED

UNCLASSIFIED

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-10C

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2017 (Base + OCO)		FY 2018 PB Request with CR Adj Base		FY 2018 Total PB Requests* with CR Adj Base		FY 2018 PB Request with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 20: Undistributed											
Undistributed											
	96 Adj to Match Continuing Resolution	A			-1,654,620		-1,654,620			1,043,291	U
Total Undistributed					-1,654,620		-1,654,620			1,043,291	
Total Aircraft Procurement, Air Force				16,001,410	13,776,229		13,776,229			1,784,069	

UNCLASSIFIED

UNCLASSIFIED

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

UNCLASSIFIED

Page F-11

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total PB Requests+ with CR Adj OCO		FY 2018 Emergency Requests** Emergency		FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs		FY 2018 Remaining Req Emergency		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 20: Undistributed											
Undistributed											
	96 Adj to Match Continuing Resolution	A	1,043,291								U
Total Undistributed			1,043,291								
Total Aircraft Procurement, Air Force			1,784,069								

UNCLASSIFIED

UNCLASSIFIED

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

Page F-11A

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency**		FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs		FY 2018 Remaining Req with CR Adj Base + OCO + Emergency		S e c -	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
Budget Activity 20: Undistributed										
Undistributed										
	96 Adj to Match Continuing Resolution	A		-611,329				-611,329	U	
Total Undistributed				-611,329				-611,329		
Total Aircraft Procurement, Air Force				15,560,298				15,560,298		

UNCLASSIFIED

UNCLASSIFIED

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

Page F-11B

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2019 President's Budget
 Exhibit P-1 FY 2019 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

01 Feb 2018

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2019 Base Quantity	FY 2019 Base Cost	FY 2019 OCO Quantity	FY 2019 OCO Cost	FY 2019 Total Quantity	FY 2019 Total Cost	Se
Budget Activity 20: Undistributed									
Undistributed									
	96 Adj to Match Continuing Resolution	A							U
Total Undistributed									
Total Aircraft Procurement, Air Force			16,206,937		1,018,888		17,225,825		

UNCLASSIFIED

UNCLASSIFIED

P-119PB: FY 2019 President's Budget (Published Version), as of February 1, 2018 at 12:17:25

Page F-11C

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2019 • Procurement

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

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
1	01	03	ATA000	F-35.....	Volume 1 - 1
2	01	03	ATA000	F-35, Advance Procurement.....	Volume 1 - 11
3	01	04	C135B0	C-135B.....	Volume 1 - 15

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
4	02	03	C130J0	C-130J.....	Volume 1 - 17
5	02	02	KC046A	KC-46A Tanker.....	Volume 1 - 27
6	02	03	C130J1	C-130J.....	Volume 1 - 37
7	02	03	C130JH	HC-130J.....	Volume 1 - 39
8	02	03	C130JH	HC-130J, Advance Procurement.....	Volume 1 - 49
9	02	03	C130JM	MC-130J.....	Volume 1 - 53
10	02	03	C130JM	MC-130J, Advance Procurement.....	Volume 1 - 63

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2019 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
11	04	01	H0106O	UH-1N Replacement.....	Volume 1 - 67
12	04	01	H060WH	Combat Rescue Helicopter.....	Volume 1 - 71
13	04	01	V022A0	CV-22 (MYP).....	Volume 1 - 79
14	04	05	CAPAC0	Civil Air Patrol A/C.....	Volume 1 - 89
15	04	05	10TRGT	Target Drones.....	Volume 1 - 91
16	04	05	CALL00	Compass Call Mods.....	Volume 1 - 109
17	04	05	HAEUAV	RQ-4.....	Volume 1 - 119
18	04	05	PRDTB1	MQ-9.....	Volume 1 - 129
19	04	05	Q020BR	RQ-20B Puma.....	Volume 1 - 151

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
20	05	01	B00200	B-2A.....	Volume 2 - 1
21	05	01	B01B00	B-1B.....	Volume 2 - 49

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2019 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
22	05	01	B05200	B-52.....	Volume 2 - 63
23	05	01	LAIRCM	Large Aircraft Infrared Countermeasures.....	Volume 2 - 83
24	05	02	A01000	A-10.....	Volume 2 - 101
25	05	02	C130J0	C-130J.....	Volume 2 - 113
26	05	02	F01500	F-15.....	Volume 2 - 115
27	05	02	F01600	F-16.....	Volume 2 - 157
28	05	02	F0160P	F-16.....	Volume 2 - 181
29	05	02	F02200	F-22A.....	Volume 2 - 183
30	05	02	F02200	F-22A, Advance Procurement.....	Volume 2 - 231
31	05	02	F03500	F-35 Modifications.....	Volume 2 - 235
32	05	02	F15EWS	F-15 EPAW.....	Volume 2 - 257
33	05	02	F2232B	Increment 3.2b.....	Volume 2 - 265
34	05	02	F2232B	Increment 3.2b, Advance Procurement.....	Volume 2 - 271
35	05	02	KC046A	KC-46A Tanker.....	Volume 2 - 275
36	05	03	C00500	C-5.....	Volume 2 - 281
37	05	03	C005M0	C-5M.....	Volume 2 - 299
38	05	03	C01700	C-17A.....	Volume 2 - 301
39	05	03	C02100	C-21.....	Volume 2 - 321

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2019 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
40	05	03	C03200	C-32A.....	Volume 2 - 327
41	05	03	C03700	C-37A.....	Volume 2 - 329
42	05	03	C130J0	C-130J Mods.....	Volume 2 - 331
43	05	04	GLID00	Glider Mods.....	Volume 2 - 333
44	05	04	JPAT00	T-6.....	Volume 2 - 335
45	05	04	T00100	T-1.....	Volume 2 - 341
46	05	04	T03800	T-38.....	Volume 2 - 347
47	05	05	11U200	U-2 Mods.....	Volume 2 - 363
48	05	05	C01000	KC-10A (ATCA).....	Volume 2 - 369
49	05	05	C01200	C-12.....	Volume 2 - 375
50	05	05	C02500	VC-25A Mod.....	Volume 2 - 377
51	05	05	C04000	C-40.....	Volume 2 - 383
52	05	05	C13000	C-130.....	Volume 2 - 385
53	05	05	C1300J	C-130J Mods.....	Volume 2 - 401
54	05	05	C13500	C-135.....	Volume 2 - 413
55	05	05	C135BO	OC-135B.....	Volume 2 - 431
56	05	05	CALL00	Compass Call Mods.....	Volume 2 - 437
57	05	05	CFIN00	combat flight inspection (CFIN).....	Volume 2 - 449

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2019 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
58	05	05	DARP01	RC-135.....	Volume 2 - 451
59	05	05	E00300	E-3.....	Volume 2 - 469
60	05	05	E00400	E-4.....	Volume 2 - 481
61	05	05	E00800	E-8.....	Volume 2 - 493
62	05	05	E34045	Airborne Warning and Cntr Sys (AWACS) 40/45.....	Volume 2 - 499
63	05	05	FBLOST	Family of Beyond Line-of-Sight Terminals.....	Volume 2 - 507
64	05	05	H00100	H-1.....	Volume 2 - 515
65	05	05	H06000	H-60.....	Volume 2 - 517
66	05	05	HAWK00	RQ-4 Mods.....	Volume 2 - 533
67	05	05	HCMC00	HC/MC-130 Modifications.....	Volume 2 - 593
68	05	05	OTHACF	Other Aircraft.....	Volume 2 - 639
69	05	05	PRDTB2	MQ-9 Mods.....	Volume 2 - 661
70	05	05	PRDTB3	MQ-9 UAS Payloads.....	Volume 2 - 695
71	05	05	V02200	CV-22 Mods.....	Volume 2 - 701

UNCLASSIFIED

Air Force • Budget Estimates FY 2019 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
72	06	10	000999	Initial Spares/Repair Parts.....	Volume 1 - 155

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
73	07	01	000071	AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT.....	Volume 1 - 161
74	07	01	75	Other Production Charges.....	Volume 1 - 197
75	07	01	T053A0	T-53A Trainer.....	Volume 1 - 201
76	07	02	B00200	B-2A.....	Volume 1 - 203
77	07	02	B002B0	B-2B.....	Volume 1 - 205
78	07	02	B05200	B-52.....	Volume 1 - 209
79	07	02	C01700	C-17A.....	Volume 1 - 213
80	07	02	DARP01	RC-135.....	Volume 1 - 217
81	07	02	F01500	F-15.....	Volume 1 - 219
82	07	02	F0150P	F-15.....	Volume 1 - 221

UNCLASSIFIED

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Air Force • Budget Estimates FY 2019 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
83	07	02	F0160P	F-16.....	Volume 1 - 223
84	07	02	F02200	F-22A.....	Volume 1 - 227
85	07	02	OTHACF	Other Aircraft.....	Volume 1 - 231
86	07	02	RQ4DIS	RQ-4 Post Production Charges.....	Volume 1 - 235
87	07	02	V02200	CV-22 Mods.....	Volume 1 - 245
88	07	03	000073	Industrial Responsiveness.....	Volume 1 - 247
89	07	03	C130J0	C-130J.....	Volume 1 - 251
90	07	04	000074	War Consumables.....	Volume 1 - 253
91	07	05	000075	Other Production Charges.....	Volume 1 - 259
93	07	05	11SPEC	Spectrum Relocation Fund.....	Volume 1 - 279
94	07	05	OTHACF	Other Aircraft.....	Volume 1 - 281

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Air Force • Budget Estimates FY 2019 • Procurement

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

Line Item Title	Line Item Number	Line #	BA	BSA	Page
A-10	A01000	24	05	02.....	Volume 2 - 101
AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	000071	73	07	01.....	Volume 1 - 161
Airborne Warning and Cntr Sys (AWACS) 40/45	E34045	62	05	05.....	Volume 2 - 499
B-1B	B01B00	21	05	01.....	Volume 2 - 49
B-2A	B00200	76	07	02.....	Volume 1 - 203
B-2A	B00200	20	05	01.....	Volume 2 - 1
B-2B	B002B0	77	07	02.....	Volume 1 - 205
B-52	B05200	78	07	02.....	Volume 1 - 209
B-52	B05200	22	05	01.....	Volume 2 - 63
C-12	C01200	49	05	05.....	Volume 2 - 375
C-130	C13000	52	05	05.....	Volume 2 - 385
C-130J	C130J0	4	02	03.....	Volume 1 - 17
C-130J	C130J1	6	02	03.....	Volume 1 - 37
C-130J	C130J0	89	07	03.....	Volume 1 - 251
C-130J	C130J0	25	05	02.....	Volume 2 - 113
C-130J Mods	C130J0	42	05	03.....	Volume 2 - 331
C-130J Mods	C1300J	53	05	05.....	Volume 2 - 401

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2019 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
C-135	C13500	54	05	05.....	Volume 2 - 413
C-135B	C135B0	3	01	04.....	Volume 1 - 15
C-17A	C01700	79	07	02.....	Volume 1 - 213
C-17A	C01700	38	05	03.....	Volume 2 - 301
C-21	C02100	39	05	03.....	Volume 2 - 321
C-32A	C03200	40	05	03.....	Volume 2 - 327
C-37A	C03700	41	05	03.....	Volume 2 - 329
C-40	C04000	51	05	05.....	Volume 2 - 383
C-5	C00500	36	05	03.....	Volume 2 - 281
C-5M	C005M0	37	05	03.....	Volume 2 - 299
CV-22 (MYP)	V022A0	13	04	01.....	Volume 1 - 79
CV-22 Mods	V02200	87	07	02.....	Volume 1 - 245
CV-22 Mods	V02200	71	05	05.....	Volume 2 - 701
Civil Air Patrol A/C	CAPAC0	14	04	05.....	Volume 1 - 89
Combat Rescue Helicopter	H060WH	12	04	01.....	Volume 1 - 71
Compass Call Mods	CALL00	16	04	05.....	Volume 1 - 109
Compass Call Mods	CALL00	56	05	05.....	Volume 2 - 437
E-3	E00300	59	05	05.....	Volume 2 - 469
E-4	E00400	60	05	05.....	Volume 2 - 481
E-8	E00800	61	05	05.....	Volume 2 - 493

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2019 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
F-15	F01500	81	07	02.....	Volume 1 - 219
F-15	F0150P	82	07	02.....	Volume 1 - 221
F-15	F01500	26	05	02.....	Volume 2 - 115
F-15 EPAW	F15EWS	32	05	02.....	Volume 2 - 257
F-16	F0160P	83	07	02.....	Volume 1 - 223
F-16	F01600	27	05	02.....	Volume 2 - 157
F-16	F0160P	28	05	02.....	Volume 2 - 181
F-22A	F02200	84	07	02.....	Volume 1 - 227
F-22A	F02200	29	05	02.....	Volume 2 - 183
F-22A, Advance Procurement	F02200	30	05	02.....	Volume 2 - 231
F-35	ATA000	1	01	03.....	Volume 1 - 1
F-35, Advance Procurement	ATA000	2	01	03.....	Volume 1 - 11
F-35 Modifications	F03500	31	05	02.....	Volume 2 - 235
Family of Beyond Line-of-Sight Terminals	FBLOST	63	05	05.....	Volume 2 - 507
Glider Mods	GLID00	43	05	04.....	Volume 2 - 333
H-1	H00100	64	05	05.....	Volume 2 - 515
H-60	H06000	65	05	05.....	Volume 2 - 517
HC-130J	C130JH	7	02	03.....	Volume 1 - 39
HC-130J, Advance Procurement	C130JH	8	02	03.....	Volume 1 - 49
HC/MC-130 Modifications	HCMC00	67	05	05.....	Volume 2 - 593

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2019 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Increment 3.2b	F2232B	33	05	02.....	Volume 2 - 265
Increment 3.2b, Advance Procurement	F2232B	34	05	02.....	Volume 2 - 271
Industrial Responsiveness	000073	88	07	03.....	Volume 1 - 247
Initial Spares/Repair Parts	000999	72	06	10.....	Volume 1 - 155
KC-10A (ATCA)	C01000	48	05	05.....	Volume 2 - 369
KC-46A Tanker	KC046A	5	02	02.....	Volume 1 - 27
KC-46A Tanker	KC046A	35	05	02.....	Volume 2 - 275
Large Aircraft Infrared Countermeasures	LAIRCM	23	05	01.....	Volume 2 - 83
MC-130J	C130JM	9	02	03.....	Volume 1 - 53
MC-130J, Advance Procurement	C130JM	10	02	03.....	Volume 1 - 63
MQ-9	PRDTB1	18	04	05.....	Volume 1 - 129
MQ-9 Mods	PRDTB2	69	05	05.....	Volume 2 - 661
MQ-9 UAS Payloads	PRDTB3	70	05	05.....	Volume 2 - 695
OC-135B	C135BO	55	05	05.....	Volume 2 - 431
Other Aircraft	OTHACF	85	07	02.....	Volume 1 - 231
Other Aircraft	OTHACF	94	07	05.....	Volume 1 - 281
Other Aircraft	OTHACF	68	05	05.....	Volume 2 - 639
Other Production Charges	75	74	07	01.....	Volume 1 - 197
Other Production Charges	000075	91	07	05.....	Volume 1 - 259
RC-135	DARP01	80	07	02.....	Volume 1 - 217

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2019 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
RC-135	DARP01	58	05	05.....	Volume 2 - 451
RQ-20B Puma	Q020BR	19	04	05.....	Volume 1 - 151
RQ-4	HAEUAV	17	04	05.....	Volume 1 - 119
RQ-4 Mods	HAWK00	66	05	05.....	Volume 2 - 533
RQ-4 Post Production Charges	RQ4DIS	86	07	02.....	Volume 1 - 235
Spectrum Relocation Fund	11SPEC	93	07	05.....	Volume 1 - 279
T-1	T00100	45	05	04.....	Volume 2 - 341
T-38	T03800	46	05	04.....	Volume 2 - 347
T-53A Trainer	T053A0	75	07	01.....	Volume 1 - 201
T-6	JPAT00	44	05	04.....	Volume 2 - 335
Target Drones	10TRGT	15	04	05.....	Volume 1 - 91
U-2 Mods	11U200	47	05	05.....	Volume 2 - 363
UH-1N Replacement	H0106O	11	04	01.....	Volume 1 - 67
VC-25A Mod	C02500	50	05	05.....	Volume 2 - 377
War Consumables	000074	90	07	04.....	Volume 1 - 253
combat flight inspection (CFIN)	CFIN00	57	05	05.....	Volume 2 - 449

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Exhibit MYP-1, Multiyear Procurement CriteriaDate:
September 2018**Appropriation / Budget Activity:**

3010 Aircraft Procurement - Air Force / Airlift Aircraft (BA-02)

P-1 Item Nomenclature:

C-130J Variants MY3

1. Multiyear Procurement Description:

This multiyear procurement (MYP) encompasses FY 2019 through FY 2023. 52 C-130J variant aircraft which includes 29 HC/MC/AC-130J and 23 US Navy C-130J aircraft that will be procured in FY 2019-2023. The details for these aircraft are in separate P-1 Line Items. The total C-130J variant cost of this MYP is estimated to be \$4.5B (Then Year \$). All aircraft are fully funded with initial spares in the years they are to be ordered. The overall contract will also include priced options for US Air Force and US Coast Guard aircraft.

This multiyear contract uses a combination of Economic Order Quantity (EOQ) and Advance Procurement (AP) funding to provide the U.S. Government maximum savings in price and delivery schedule. This MYP employs \$172M EOQ funding in FY 2019 which results in savings for bulk purchases of materials and components to reduce materials costs and for investments in productivity enhancements which reduced labor costs. EOQ funding will be applied to the production of 43 FY2020-2023 aircraft, and will be offset in the form of reduced payments at aircraft delivery.

AP funding in FY 2019-2022 will enable Lockheed Martin to authorize and place on order materials, equipment suppliers and subcontractors with sufficient lead time to support the planned delivery schedule within the context of the multiyear funding, prices, and cancellation ceilings. For lead time purposes, there are approximately 750 part numbers with lead times greater than 24 months and approximately 7,700 part numbers with lead times greater than 12 months. Four FY 2019 aircraft are fully funded and five FY 2019 aircraft will utilized FY 2018 AP.

In addition, this multiyear contract will include incentive clauses to allow the Government and Lockheed Martin to share in the benefits of the more efficient production of C-130J variant aircraft.

2. Benefit to the Government:**a. Substantial Savings:**

This multiyear contract will provide the U.S. Government maximum savings in both price and delivery schedule. Implementation of this proposed MYP will yield substantial savings through the term of the contract. Specifically, savings for the FY 2019 through FY 2023 attributable to this MYP strategy is estimated at \$581.9 Million (TY\$), for a total of 11.4%.

b. Stability of Requirement:

The U.S. Air Force and U.S. Navy have a long-standing objective to modernize its C-130 fleet. The USAF/USN have a requirement for C-130J variant aircraft to replace older C-130s that are nearing the end of their economic service lives. This requirement has not changed since program inception. Under this plan, C-130J procurement of various configurations will maintain a delivery rate of 16 aircraft per year. The requirement is expected to remain unchanged during the contemplated multiyear contract period with production expected to continue beyond 2023. The Air Force plan replaces retiring C-130s from the active Air Force and Air Reserve Component units for AF Special Operations Command and Air Combat Command. The Navy plan replaces retiring C-130s from the active Marine Corps, Marine Corps Reserve and Navy Reserve.

Exhibit MYP-1, Multiyear Procurement Criteria

(MYP, Page 1 of 15)

Exhibit MYP-1, Multiyear Procurement CriteriaDate:
September 2018**Appropriation / Budget Activity:**

3010 Aircraft Procurement - Air Force / Airlift Aircraft (BA-02)

P-1 Item Nomenclature:

C-130J Variants MY3

c. Stability of Funding:

The Navy, Air Force and Special Operations Command have demonstrated commitment to a stable funding stream for the C-130J variants through every phase of the budgeting process by fully funding the requirement across the Future Years Defense Program (FYDP). Funding support for the program has been consistently shown by the military services and the Congress. The Air Force has a requirement for 131 HC/MC/AC-130J aircraft. The Navy has a requirement for 104 KC-130J aircraft.

d. Stable Configuration:

The C-130J variant aircraft configuration is stable, currently on contract, and in production. The current C-130J variant aircraft model specification forms the USG production baseline and is included in the existing Five-Year Ordering Contract (FYOC) for procuring USAF C-130J variant aircraft. This model specification will be incorporated in the MYP contract.

The baseline C-130J variant aircraft has been thoroughly tested and certified by the Federal Aviation Administration (FAA) and the USAF. Similar versions of the C-130J aircraft have been tested and placed into operational service by numerous foreign nations including, the British Royal Air Force, the Royal Australian Air Force, the Italian Air Force, the Royal Canadian Air Force, the Danish Air Force, the Royal Norwegian Air Force, and the Indian Air Force. As of January 2018, 396 C-130Js have been delivered to operational U.S. Government units and Foreign Military Sales/Direct Commercial Sales customers.

e. Realistic Cost Estimate:

The funding estimates for this MYP are based on program office estimates based on prior actual aircraft procurement costs (FY 1995-FY 2018) for annual and multiyear procurement of 52 USG C-130J variant aircraft from FY 2019 through FY 2023. Knowledge gained by 1) prior procurement of USAF C-130J variant aircraft and 2) two previous multiyear procurement on the C-130J variants, support the conclusion that multiyear pricing with projected savings of 11.4% to the contract (when compared to annual option procurement) are realistic. This MYP will be a Fixed Price Incentive Firm contract.

f. National Security:

The National Military Strategy of the United States calls upon the Armed Forces to retain the ability to rapidly deploy and sustain capabilities to diverse regions. The Department of Defense (DOD) has made informed investment decisions designed to maintain the right mix of special operations and intra-theater refueling/transportation capabilities. Investments in DOD's theater capabilities include ongoing procurement of C-130J variants to recapitalize the Air Force and Navy C-130 fleets to improve the ability to rapidly reposition special operations and rescue forces.

3. Source of Savings:

The stability and upfront material purchases of a multiyear contract for 52 C-130J variant aircraft will enable Lockheed Martin and its suppliers to implement a more efficient planning and manufacturing cycle predicated on a production rate that supports delivery of multiyear aircraft earlier than by annual option procurement. A multiyear contract for 52

Exhibit MYP-1, Multiyear Procurement Criteria

(MYP, Page 2 of 15)

Exhibit MYP-1, Multiyear Procurement Criteria

Date:
September 2018

Appropriation / Budget Activity:

3010 Aircraft Procurement - Air Force / Airlift Aircraft (BA-02)

P-1 Item Nomenclature:

C-130J Variants MY3

aircraft enables a stabilized production rate, configuration commonality, parts predictability, manufacturing process improvements, and reduces risks associated with production rate instability caused by fluctuating annual procurement by the U.S. Government. This procurement stability is reflected directly in reduced unit prices versus a less stable and less predictable annual procurement.

	<u>\$ in Millions</u>
Inflation	\$52.400
Vendor Procurement	\$452.500
Manufacturing	\$49.400
Design/Engineering	\$0.000
Tool Design	\$27.700
Support Equipment	\$0.000
Other	\$0.000
Workload Savings	\$0.000
Total	\$582.000

4. Advantages of the MYP:

The MYP strategy has been structured to achieve substantial savings (\$581.9M) and will eliminate the need to develop an annual plan on a yearly basis; one year of planning will replace five independent years of planning. The savings resulting from the economic order quantities, manufacturing initiatives, and independent planning will result in significant benefit to industry and the Government.

5. Impact on Defense Industrial Base:

Lacking a long-term/multiyear commitment to C-130J variant production, the unpredictability and instability of annual aircraft procurement causes key C-130J suppliers to withdraw from the program, increasing the aircraft price for diminishing manufacturing sources. This multiyear procurement will enable Lockheed to maintain a viable, profitable C-130J variant production line at its Marietta, GA facility. The production line stability also increases the likelihood of additional FMS or direct commercial sales of the C-130J variants to other nations.

6. Multiyear Procurement Summary:

	<u>Annual Contracts</u>	<u>MultiYear Contract</u>
Quantity	52	52
Total Contract Price	\$5,121.152	\$4,539.299
Cancellation Ceiling (highest point)		
Funded		\$ 0.000
Unfunded		\$ 0.000
\$ Cost Avoidance Over Annual		\$581.853
% Cost Avoidance Over Annual		11.4%

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Exhibit MYP-2 Total Program Funding Plan (USAF)						Date: September 2018									
PROCUREMENT						P-1 Line Item Nomenclature - C-130J Variants MY3 (NAVY)									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	TOTAL	
Procurement Quantity		2	2	5	6	8								23	
Annual Procurement															
Gross Cost		184.5	207.1	535.3	676.0	981.7								2584.6	
Less PY Adv Procurement		(25.5)	(26.0)	(65.8)	(80.3)	(98.3)								(295.9)	
Net Procurement (= P-1)		159.0	181.1	469.4	595.8	883.4								2288.7	
Plus CY Adv Procurement	25.5	26.0	65.8	80.3	98.3									295.9	
Weapon System Cost	25.5	185.0	246.9	549.7	694.0	883.4								2584.6	
Multiyear Procurement															
Gross Cost (P-1)		185.9	183.0	470.4	592.0	864.1								2295.5	
Less PY Adv Procurement		(25.5)	(34.0)	(85.8)	(104.3)	(130.3)								(379.9)	
Net Procurement (= P-1)		160.4	149.0	384.6	487.8	733.8								1915.6	
Advance Procurement															
For FY19	25.5													25.5	
For FY20		34.0												34.0	
For FY21		20.0	65.8											85.8	
For FY22		24.0		80.3										104.3	
For FY13		32.0			98.3									130.3	
Plus CY Adv Procurement	25.5	110.0	65.8	80.3	98.3									379.9	
Weapon System Cost	25.5	270.4	214.9	464.8	586.1	733.8								2295.5	
Multiyear Savings (\$)		(85.4)	32.0	84.8	108.0	149.6								289.0	
Multiyear Savings (%) (total only)														11.2%	
Cancellation Ceiling, Funded															
Cancellation Ceiling, Unfunded															
OUTLAYS															
Annual	4.5	40.3	108.7	234.2	388.5	576.0	561.4	378.6	131.5	70.9	48.6	28.1	13.3	2584.6	
Multiyear	4.5	55.2	129.6	236.8	340.8	489.8	474.1	318.4	111.8	59.5	40.7	23.5	11.0	2295.5	
Savings		(15.0)	(20.9)	(2.6)	47.8	86.3	87.3	60.2	19.7	11.4	7.9	4.6	2.2	289.0	

P-1 Shopping List - Item No
01-0416

* Numbers may not add due to rounding.

UNCLASSIFIED

Exhibit MYP-3 Total Contract Funding Plan (USAF)						Date: September 2018									
PROCUREMENT						P-1 Line Item Nomenclature - C-130J Variants MY3 (NAVY)									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	TOTAL	
Procurement Quantity		2	2	5	6	8								23	
Annual Procurement															
Gross Cost		163.6	193.5	497.8	614.6	843.3								2312.8	
Less PY Adv Procurement		(20.9)	(21.3)	(53.9)	(65.9)	(85.8)								(247.8)	
Net Procurement (= P-1)		142.7	172.2	443.9	548.7	757.4								2065.0	
Plus CY Adv Procurement	20.9	21.3	53.9	65.9	85.8									247.8	
Contract Price	20.9	164.0	226.1	509.8	634.6	757.4								2312.8	
Multiyear Procurement															
Gross Cost (P-1)		165.0	169.5	432.9	530.7	725.7								2023.7	
Less PY Adv Procurement		(20.9)	(29.3)	(73.9)	(89.9)	(117.8)								(331.8)	
Net Procurement (= P-1)		144.1	140.2	359.0	440.8	607.8								1691.9	
Advance Procurement															
For FY19	20.9													20.9	
For FY20		29.3												29.3	
For FY21		20.0	53.9											73.9	
For FY22		24.0		65.9										89.9	
For FY13		32.0			85.8									117.8	
Plus CY Adv Procurement	20.9	105.3	53.9	65.9	85.8									331.8	
Contract Price	20.9	249.4	194.1	424.9	526.6	607.8								2023.7	
Multiyear Savings (\$)		(85.4)	32.0	84.8	108.0	149.6								289.1	
Multiyear Savings (%) (total only)														12.5%	
Cancellation Ceiling, Funded															
Cancellation Ceiling, Unfunded															
OUTLAYS															
Annual	3.7	35.2	97.1	213.6	357.0	519.9	498.1	330.3	115.8	62.9	43.1	24.7	11.4	2312.7	
Multiyear	3.7	50.1	118.0	216.2	309.3	433.7	410.8	270.0	96.1	51.5	35.1	20.1	9.1	2023.7	
Savings		(15.0)	(20.9)	(2.6)	47.8	86.3	87.3	60.2	19.7	11.4	7.9	4.6	2.2	289.0	

P-1 Shopping List - Item No
01-0416

* Numbers may not add due to rounding.

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Exhibit MYP-4 Present Value Analysis (USAF)						Date: September 2018									
PROCUREMENT						P-1 Line Item Nomenclature - C-130J Variants MY3 (NAVY)									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	TOTAL	
Annual Proposal															
Then Year Cost	3.7	35.2	97.1	213.6	357.0	519.9	498.1	330.3	115.8	62.9	43.1	24.7	11.4	2312.7	
Constant Year Cost	3.7	34.5	93.4	201.5	330.1	471.3	442.7	287.7	98.9	52.7	35.4	19.9	9.0	2080.5	
Present Value	3.6	34.3	92.7	199.5	326.1	464.6	435.4	282.4	96.9	51.5	34.5	19.3	8.7	2049.5	
Multiyear Proposal															
Then Year Cost	3.7	50.1	118.0	216.2	309.3	433.7	410.8	270.0	96.1	51.5	35.1	20.1	9.1	2023.7	
Constant Year Cost	3.7	49.2	113.5	203.9	285.9	393.1	365.1	235.2	82.1	43.1	28.8	16.1	7.2	1827.0	
Present Value	3.6	48.9	112.6	201.9	282.5	387.5	359.1	230.9	80.4	42.2	28.1	15.7	7.0	1800.4	
Difference															
Then Year Cost		(15.0)	(20.9)	(2.6)	47.8	86.3	87.3	60.2	19.7	11.4	7.9	4.6	2.2	289.0	
Constant Year Cost		(14.7)	(20.1)	(2.4)	44.2	78.2	77.6	52.5	16.8	9.5	6.5	3.7	1.8	253.6	
Present Value		(14.6)	(19.9)	(2.4)	43.6	77.1	76.3	51.5	16.5	9.3	6.3	3.6	1.7	249.1	
Multiyear Savings (\$)															
		(15.0)	(20.9)	(2.6)	47.8	86.3	87.3	60.2	19.7	11.4	7.9	4.6	2.2	289.0	

NOTE: MYP Procurement Period is 13 years. Real Interest Rate for MYP Procurement Period of 13 years is 1.00220000%.
(OMB Circular No. A-94, January 2018)

* Numbers may not add due to rounding.

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Exhibit MYP-2 Total Program Funding Plan (USAF)						Date: September 2018									
PROCUREMENT						P-1 Line Item Nomenclature - C-130J Variants MY3 (USAF)									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	TOTAL	
Procurement Quantity		7	13	4	3	2								29	
Annual Procurement															
Gross Cost		930.7	1628.9	490.2	297.9	231.7								3579.3	
Less PY Adv Procurement		(30.0)	(130.0)	(20.0)	(20.0)	(20.4)								(220.4)	
Net Procurement (= P-1)		900.7	1498.9	470.2	277.9	211.3								3358.9	
Plus CY Adv Procurement		30.0	130.0	20.0	20.0	20.4								220.4	
Weapon System Cost		930.7	1628.9	490.2	297.9	231.7								3579.3	
Multiyear Procurement															
Gross Cost (P-1)		862.5	1498.7	449.1	266.2	210.1								3286.5	
Less PY Adv Procurement		(30.0)	(182.0)	(36.0)	(32.0)	(28.4)								(308.4)	
Net Procurement (= P-1)		832.5	1316.7	413.1	234.2	181.7								2978.1	
Advance Procurement															
For FY19	30.0													30.0	
For FY20		218.0												218.0	
For FY21			20.0											20.0	
For FY22				20.0										20.0	
For FY13					20.4									20.4	
Plus CY Adv Procurement	30.0	218.0	20.0	20.0	20.4									308.4	
Weapon System Cost	30.0	1050.5	1336.7	433.1	254.5	181.7								3286.5	
Multiyear Savings (\$)	(30.0)	(119.8)	292.2	57.1	43.3	50.0								292.8	
Multiyear Savings (%) (total only)														8.2%	
Cancellation Ceiling, Funded															
Cancellation Ceiling, Unfunded															
OUTLAYS															
Annual		64.5	228.9	445.9	594.6	704.5	678.7	462.9	254.0	102.7	42.6			3579.4	
Multiyear		59.2	210.2	409.5	546.0	646.8	623.2	425.1	233.2	94.3	39.1			3286.6	
Savings		5.3	18.7	36.5	48.6	57.6	55.5	37.9	20.8	8.4	3.5			292.8	

NOTE: Any remarks will appear on the next page

P-1 Shopping List - Item No
03-C130JM

* Numbers may not add due to rounding.

Exhibit MYP-2, Total Program Funding Plan
(MYP, Page 8 of 15)

UNCLASSIFIED

Exhibit MYP-2 Total Program Funding Plan (USAF)	Date: September 2018
PROCUREMENT	P-1 Line Item Nomenclature - C-130J Variants MY3 (USAF)

Remarks

Annual Outlay (non-MY)

FY19 adds the CY EOQ of \$88M to the CY Adv Proc of \$130M

Multi Year Outlays

* Numbers may not add due to rounding.

Exhibit MYP-2, Total Program Funding Plan

(MYP, Page 9 of 15)

UNCLASSIFIED

Exhibit MYP-3 Total Contract Funding Plan (USAF)						Date: September 2018									
PROCUREMENT						P-1 Line Item Nomenclature - C-130J Variants MY3 (USAF)									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	TOTAL	
Procurement Quantity		7	13	4	3	2								29	
Annual Procurement															
Gross Cost		656.8	1249.9	393.8	302.0	205.9								2808.4	
Less PY Adv Procurement		(30.0)	(130.0)	(20.0)	(20.0)	(20.4)								(220.4)	
Net Procurement (= P-1)		626.8	1119.9	373.8	282.0	185.5								2588.0	
Plus CY Adv Procurement		30.0	130.0	20.0	20.0	20.4								220.4	
Contract Price		656.8	1249.9	393.8	302.0	205.9								2808.4	
Multiyear Procurement															
Gross Cost (P-1)		588.6	1119.7	352.7	270.3	184.3								2515.6	
Less PY Adv Procurement		(30.0)	(182.0)	(36.0)	(32.0)	(28.4)								(308.4)	
Net Procurement (= P-1)		558.6	937.7	316.7	238.3	155.9								2207.2	
Advance Procurement															
For FY19	30.0													30.0	
For FY20		218.0												218.0	
For FY21			20.0											20.0	
For FY22				20.0										20.0	
For FY13					20.4									20.4	
Plus CY Adv Procurement	30.0	218.0	20.0	20.0	20.4									308.4	
Contract Price	30.0	776.6	957.7	336.7	258.7	155.9								2515.6	
Multiyear Savings (\$)	(30.0)	(119.8)	292.2	57.1	43.3	50.0								292.8	
Multiyear Savings (%) (total only)														10.4%	
Cancellation Ceiling, Funded															
Cancellation Ceiling, Unfunded															
OUTLAYS															
Annual		50.6	179.6	349.9	466.6	552.8	532.5	363.2	199.3	80.6	33.4			2808.5	
Multiyear		45.3	160.9	313.4	417.9	495.1	477.0	325.4	178.5	72.2	29.9			2515.7	
Savings		5.3	18.7	36.5	48.6	57.6	55.5	37.9	20.8	8.4	3.5			292.8	

P-1 Shopping List - Item No
03-C130JM

* Numbers may not add due to rounding.

UNCLASSIFIED

Exhibit MYP-3 Total Contract Funding Plan (USAF)	Date: September 2018
PROCUREMENT	P-1 Line Item Nomenclature - C-130J Variants MY3 (USAF)

Remarks

Multi Year Procurement Pricing

Single Year Procurement Costs

* Numbers may not add due to rounding.

Exhibit MYP-3, Total Contract Funding Plan

(MYP, Page 11 of 15)

UNCLASSIFIED

Exhibit MYP-4 Present Value Analysis (USAF)						Date: September 2018									
PROCUREMENT						P-1 Line Item Nomenclature - C-130J Variants MY3 (USAF)									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	TOTAL	
Annual Proposal															
Then Year Cost		50.6	179.6	349.9	466.6	552.8	532.5	363.2	199.3	80.6	33.4			2808.5	
Constant Year Cost		49.6	172.7	329.9	431.2	500.9	473.1	316.4	170.2	67.4	27.4			2538.8	
Present Value		49.5	172.1	328.4	428.8	497.6	469.5	313.7	168.6	66.7	27.1			2522.1	
Multiyear Proposal															
Then Year Cost		45.3	160.9	313.4	417.9	495.1	477.0	325.4	178.5	72.2	29.9			2515.7	
Constant Year Cost		44.5	154.7	295.5	386.3	448.6	423.8	283.4	152.4	60.4	24.6			2274.1	
Present Value		44.3	154.2	294.2	384.1	445.7	420.6	281.0	151.0	59.8	24.3			2259.2	
Difference															
Then Year Cost		5.3	18.7	36.5	48.6	57.6	55.5	37.9	20.8	8.4	3.5			292.8	
Constant Year Cost		5.2	18.0	34.4	45.0	52.2	49.3	33.0	17.7	7.0	2.9			264.7	
Present Value		5.2	17.9	34.2	44.7	51.9	49.0	32.7	17.6	7.0	2.8			263.0	
Multiyear Savings (\$)		5.3	18.7	36.5	48.6	57.6	55.5	37.9	20.8	8.4	3.5			292.8	

NOTE: MYP Procurement Period is 10 years. Real Interest Rate for MYP Procurement Period of 10 years is 1.00100000%.
 (OMB Circular No. A-94, January 2018)

* Numbers may not add due to rounding.

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Exhibit MYP-2 Total Program Funding Plan (All Services)						Date: September 2018									
All Services						P-1 Line Item Nomenclature - C-130J Variants MY3									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	TOTAL	
Procurement Quantity		9	15	9	9	10								52	
Annual Procurement															
Gross Cost		1115.2	1835.9	1025.5	973.9	1213.4								6163.8	
Less PY Adv Procurement		(55.5)	(156.0)	(85.8)	(100.3)	(118.7)								(516.3)	
Net Procurement (= P-1)		1059.7	1679.9	939.6	873.6	1094.8								5647.6	
Plus CY Adv Procurement	25.5	56.0	195.8	100.3	118.3	20.4								516.3	
Weapon System Cost	25.5	1115.7	1875.8	1039.9	991.9	1115.1								6163.8	
Multiyear Procurement															
Gross Cost (P-1)		1048.4	1681.7	919.5	858.2	1074.2								5582.0	
Less PY Adv Procurement		(55.5)	(216.0)	(121.8)	(136.3)	(158.7)								(688.3)	
Net Procurement (= P-1)		992.9	1465.7	797.7	721.9	915.5								4893.8	
Advance Procurement															
For FY19	55.5													55.5	
For FY20		252.0												252.0	
For FY21		20.0	85.8											105.8	
For FY22		24.0		100.3										124.3	
For FY13		32.0			118.7									150.7	
Plus CY Adv Procurement	55.5	328.0	85.8	100.3	118.7									688.3	
Weapon System Cost	55.5	1320.9	1551.5	897.9	840.6	915.5								5582.0	
Multiyear Savings (\$)	(30.0)	(205.2)	324.2	141.9	151.3	199.6								581.8	
Multiyear Savings (%) (total only)														9.4%	
Cancellation Ceiling, Funded															
Cancellation Ceiling, Unfunded															
OUTLAYS															
Annual	4.5	104.8	337.6	680.2	983.2	1280.5	1240.1	841.6	385.5	173.5	91.2	28.1	13.3	6164.0	
Multiyear	4.5	114.5	339.8	646.3	886.8	1136.6	1097.3	743.5	345.0	153.7	79.8	23.5	11.0	5582.2	
Savings		(9.7)	(2.2)	33.9	96.4	143.9	142.8	98.1	40.5	19.8	11.4	4.6	2.2	581.8	

NOTE: Any remarks will appear on the next page

P-1 Shopping List - Item No
01-0416
03-C130JM

* Numbers may not add due to rounding.

Exhibit MYP-2, Total Program Funding Plan
(MYP, Page 13 of 15)

UNCLASSIFIED

Exhibit MYP-3 Total Contract Funding Plan (All Services)						Date: September 2018									
All Services						P-1 Line Item Nomenclature - C-130J Variants MY3									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	TOTAL	
Procurement Quantity		9	15	9	9	10								52	
Annual Procurement															
Gross Cost		820.4	1443.4	891.6	916.6	1049.2								5121.2	
Less PY Adv Procurement		(50.9)	(151.3)	(73.9)	(85.9)	(106.2)								(468.2)	
Net Procurement (= P-1)		769.5	1292.1	817.7	830.7	943.0								4653.0	
Plus CY Adv Procurement	20.9	51.3	183.9	85.9	105.8	20.4								468.2	
Contract Price	20.9	820.8	1476.0	903.6	936.6	963.3								5121.2	
Multiyear Procurement															
Gross Cost (P-1)		753.6	1289.2	785.6	801.0	910.0								4539.3	
Less PY Adv Procurement		(50.9)	(211.3)	(109.9)	(121.9)	(146.2)								(640.2)	
Net Procurement (= P-1)		702.7	1077.9	675.7	679.1	763.8								3899.1	
Advance Procurement															
For FY19	50.9													50.9	
For FY20		247.3												247.3	
For FY21		20.0	73.9											93.9	
For FY22		24.0		85.9										109.9	
For FY13		32.0			106.2									138.2	
Plus CY Adv Procurement	50.9	323.3	73.9	85.9	106.2									640.2	
Contract Price	50.9	1026.0	1151.8	761.6	785.3	763.8								4539.3	
Multiyear Savings (\$)	(30.0)	(205.2)	324.2	141.9	151.3	199.6								581.9	
Multiyear Savings (%) (total only)														11.4%	
Cancellation Ceiling, Funded															
Cancellation Ceiling, Unfunded															
OUTLAYS															
Annual	3.7	85.8	276.7	563.5	823.6	1072.7	1030.7	693.5	315.1	143.5	76.5	24.7	11.4	5121.2	
Multiyear	3.7	95.4	278.9	529.6	727.2	928.8	887.9	595.4	274.6	123.7	65.1	20.1	9.1	4539.4	
Savings		(9.7)	(2.2)	33.9	96.4	143.9	142.8	98.1	40.5	19.8	11.4	4.6	2.2	581.8	

P-1 Shopping List - Item No
01-0416
03-C130JM

* Numbers may not add due to rounding.

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Exhibit MYP-4 Present Value Analysis (All Services)						Date: September 2018									
All Services						P-1 Line Item Nomenclature - C-130J Variants MY3									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	TOTAL	
Annual Proposal															
Then Year Cost	3.7	85.8	276.7	563.5	823.6	1072.7	1030.7	693.5	315.1	143.5	76.5	24.7	11.4	5121.2	
Constant Year Cost	3.7	84.1	266.1	531.4	761.3	972.1	915.7	604.1	269.1	120.1	62.8	19.9	9.0	4619.3	
Present Value	3.6	83.7	264.1	526.1	752.2	958.3	900.8	592.9	263.5	117.4	61.2	19.3	8.7	4551.8	
Multiyear Proposal															
Then Year Cost	3.7	95.4	278.9	529.6	727.2	928.8	887.9	595.4	274.6	123.7	65.1	20.1	9.1	4539.4	
Constant Year Cost	3.7	93.6	268.2	499.4	672.2	841.7	788.9	518.6	234.5	103.6	53.4	16.1	7.2	4101.1	
Present Value	3.6	93.1	266.1	494.5	664.1	829.8	776.0	509.0	229.7	101.2	52.1	15.7	7.0	4041.9	
Difference															
Then Year Cost		(9.7)	(2.2)	33.9	96.4	143.9	142.8	98.1	40.5	19.8	11.4	4.6	2.2	581.8	
Constant Year Cost		(9.5)	(2.1)	32.0	89.1	130.4	126.9	85.5	34.6	16.6	9.4	3.7	1.8	518.3	
Present Value		(9.4)	(2.1)	31.7	88.0	128.6	124.8	83.9	33.8	16.2	9.1	3.6	1.7	510.0	
Multiyear Savings (\$)															
		(9.7)	(2.2)	33.9	96.4	143.9	142.8	98.1	40.5	19.8	11.4	4.6	2.2	581.8	

NOTE: MYP Procurement Period is 13 years. Real Interest Rate for MYP Procurement Period of 13 years is 1.00220000%.
(OMB Circular No. A-94, January 2018)

* Numbers may not add due to rounding.

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ACRONYMS

GENERAL ACRONYMS

A&AS	- Advisory & Assistance Services
ABIDES	- Automated Budget Interactive Data Environment System
ACAT	- Acquisition Category
ACTD	- Advanced Concept Technology Demonstration
AGM	- Air-to-Ground Missile
AIM	- Air Intercept Missile
AIS	- Avionics Intermediate Shop
ACMI	- Aircraft Combat Maneuvering Instrumentation
AMRAAM	- Advanced Medium-Range Air-to-Air Missile
APPN	- Appropriation
ATD	- Advanced Technology Development
BA	- Budget Activity
BLSS	- Base Level Self-Sufficiency Spares
BY	- Budget Year
C3	- Command, Control, and Communication System
CFE	- Contractor Furnished Equipment
CONOPS	- Concept of Operation
CONUS	- Continental United States
CPMS	- Comprehensive Power Management System
CPT	- Cockpit Procedures Trainer
CRA	- Continuing Resolution Authority
CTS	- Countermeasures Test Set
CY	- Current Year
ECCM	- Electronic Counter Counter-Measures
ECM	- Electronic Counter Measures
ECO	- Engineering Change Orders
EOQ	- Economic Order Quantity
ECP	- Engineering Change Proposal
EPA	- Economic Price Adjustment
EW	- Electronic Warfare
EWAIISP	- Electronic Warfare Avionics Integration Support Facility
FLIR	- Forward Looking Infra Red

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FOT&E	- Follow-on Test and Evaluation
FOC	- Fully Operational Capability
FLTS	- Flight Line Test Set
FPIF	- Fixed Price Incentive Firm
FPIS	- Fixed Price Incentive Fee, Successive Targets
FY	- Fiscal Year
GANS	- Global Access Navigation & Safety
GATM	- Global Air Traffic Management
GFE	- Government Furnished Equipment
GFP	- Government Furnished Property
GPS	- Global Positioning System
GSE	- Ground Support Equipment
ICS	- Interim Contractor Support
IOC	- Initial Operating Capability
IPE	- Increased Performance Engine
JPALS	- Joint Precision Approach and Landing System
MAIS	- Major Automated Information System Program
MDAP	- Major Defense Acquisition Program
METS	- Mobile Electronic Test Stations
MYP	- Multiyear Procurement
MSIP	- Multi-Stage Improvement Program
NAVWAR	- Navigation Warfare
NMC Rate	- Not Mission Capable Rate
OFF	- Operational Flight Program
OT&E	- Operational Test and Evaluation
OWRM	- Other War Reserve Material
PAGEL	- Priced Aerospace Ground Equipment List
PB	- President's Budget
PGSE	- Peculiar Ground Support Equipment
PMA	- Program Management Administration
PMC	- Procurement Method Code
PNO	- Acquisition Program Number (MDAP Codes)
PR	- Purchase Request
PRCP	- Program Resource Collection Process
PTT	- Part Task Trainer
PY	- Prior Year

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R&M	- Reliability and Maintainability
RAA	- Required Asset Availability
RDT&E	- Research, Development, Test and Evaluation
RWR	- Radar Warning Receiver
ROM	- Rough Order of Magnitude
SS	- Sole Source
SOF	- Special Operation Force
TAF	- Tactical Air Force
TCAS	- Traffic Collision Alert and Avoidance System
TEWS	- Tactical Electronic Warfare System
TISS	- TEWS Intermediate Support System
TOA	- Total Obligation Authority
WCF	- Working Capital Fund
WRM	- War Reserve Material
WST	- Weapon System Trainer
UAV	- Unmanned Aerial Vehicle
XML	- Extensible Markup Language

BASE / ORGANIZATIONAL ACRONYMS

ACC	- Air Combat Command
AETC	- Air Education & Training Command
AFCAO	- Air Force Computer Acquisition Office
AFCESA	- Air Force Civil Engineering Support Agency
AFCIC	- AF Communications & Information Center
AFCSC	- Air Force Cryptologic Service Center
AFESC	- Air Force Engineering Services Center
AFGWC	- Air Force Global Weather Central
AFIT	- Air Force Institute of Technology
AFLCMC	- Air Force Life Cycle Management Center
AFMC	- Air Force Materiel Command
AFMETCAL	- Air Force Metrology and Calibration Office
AFMLO	- Air Force Medical Logistics Office
AFOSI	- Air Force Office of Special Investigation
AFOTEC	- Air Force Operational Test & Evaluation Center
AFPC	- Air Force Personnel Center

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AFPSL	- AF Primary Standards Lab
AFR	- Air Force Reserve
AFSOC	- AF Special Operations Command
AFSPC	- Air Force Space Command
AIA	- Air Intelligence Agency
ALC	- Air Logistics Center
AMC	- Air Mobility Command
ANG	- Air National Guard
ASC	- Aeronautical Systems Center
AETC	- Air Education Training Command
AU	- Air University
AWS	- Air Weather Service
CIA	- Central Intelligence Agency
DGSC	- Defense General Support Center
DLA	- Defense Logistics Center
DOE	- Department of Energy
DPSC	- Defense Personnel Support Center
DSCC	- Defense Supply Center, Columbus
DTIC	- Defense Technical Information Center
ER	- Eastern Range
ESC	- Electronic Systems Center
FAA	- Federal Aviation Agency
FBI	- Federal Bureau of Investigation
GSA	- General Services Administration
JCS	- Joint Chiefs of Staff
NATO	- North Atlantic Treaty Organization
OSD	- Office of the Secretary of Defense
PACAF	- Pacific Air Forces
USAF	- United States Air Force
USAFA	- United States Air Force Academy
USAFE	- United States Air Force Europe
USCENTCOM	- United States Central Command
USEUCOM	- United States European Command
USMC	- United States Marine Corps
USSTRATCOM	- United States Strategic Command
WP AFB	- Wright-Patterson AFB, OH

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CONTRACT METHOD / TYPE ACRONYMS

C	- Competitive
BA	- Basic Agreement
BOA	- Basic Ordering Agreement
BPA	- Blanket Purchasing Agreement
CS	- Cost Sharing
IDDQ	- Indefinite Delivery, Definite Quantity
IDIQ	- Indefinite Delivery, Indefinite Quantity
IDRT	- Indefinite Delivery, Requirements
Letter	- Letter
LH	- Labor-hour
MIPR	- Military Interdepartmental Purchase Request
MIPR-C	- Military Interdepartmental Purchase Request - Competitive
MIPR-OPT	- Military Interdepartmental Purchase Request - Option
MIPR-OTH	- Military Interdepartmental Purchase Request - Other
MIPR-SS	- Military Interdepartmental Purchase Request - Sole Source
OPT	- Option
OTH	- Other
PO	- Project Order
REQN	- Requisition
SS	- Sole Source
T&M	- Time and Materials
UCA	- Undefinitized Contract Action
WP	- Work Project

CONTRACTED BY ACRONYMS

11 WING	- 11th Support Wing, Washington, DC
ACC	- Air Combat Command, Langley AFB, VA
AEDC	- Arnold Engineering Development Center, Arnold AFB, TN
AAC	- Air Armament Center, Eglin AFB, FL
AEDC	- Arnold Engineering Development Center, Arnold AFB, TN
AETC	- Air Education and Training Command, Randolph AFB, TX
AFCIC	- Air Force Communications and Information Center, Washington, DC
AFCESA	- Air Force Civil Engineering Support Agency, Tyndall AFB, FL
AFFTC	- Air Force Flight Test Center, Edwards AFB, CA

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AFLCMC	- Air Force Life Cycle Management Center, Wright-Patterson AFB, OH
AFMC	- Air Force Materiel Command, Wright-Patterson AFB, OH
AFMETCAL	- Air Force Metrology and Calibration Office, Heath, Ohio
AFMLO	- Air Force Medical Logistics Office, Ft Detrick, MD
AIA	- Air Intelligence Agency, Kelly AFB, TX
AMC	- Air Mobility Command, Scott AFB, IL
ASC	- Aeronautical Systems Center, Wright-Patterson AFB, OH & Eglin AFB, FL
AFWA	- Air Force Weather Agency, Offutt AFB, NE
DGSC	- Defense General Support Center, Richmond, VA
DPSC	- Defense Personnel Support Center, Philadelphia, PA
ER	- Eastern Range, Patrick AFB, FL
ESC	- Electronic Systems Center, Hanscom AFB, MA
HSC	- Human Services Center, Brook AFB, TX
OC-ALC	- Oklahoma City Air Logistics Center, Tinker AFB, OK
OO-ALC	- Ogden Air Logistics Center, Hill AFB, UT
SMC	- Space & Missile Systems Center, Los Angeles AFB, CA
US STRATCOM	- US Strategic Command, Offutt AFB, NE
WACC	- Washington Area Contracting Center, Washington DC
WR	- Western Range, Vandenberg AFB, CA
WR-ALC	- Warner-Robins Air Logistics Center, Robins AFB, GA
AFSPC	- Air Force Space Command, Peterson AFB, CO
HQ ANG	- Headquarters, Air National Guard, Washington, DC
USAFE	- United States Air Force Europe, Ramstein AB, GE
USAFA	- United States Air Force Academy, Colorado Springs, CO
SSG	- Standard Systems Group, Maxwell AFB-Gunter Annex, AL

IDENTIFICATION CODES

Code "A"	- Line items of material which have been approved for Air Force service use
Code "B"	- Line items of material that have not been approved for Service use
OBAN	- Operating Budget Account Number, 2-digit code for unit allocated funds

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 01: Combat Aircraft / BSA 3: Tactical Forces	P-1 Line Item Number / Title: ATA000 / F-35
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ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0207142F	Other Related Program Elements: 0604800F
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Line Item MDAP/MAIS Code: 198

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	178	48	46	48	-	48	48	54	54	54	1,233	1,763
Gross/Weapon System Cost (<i>\$ in Millions</i>)	28,208.529	5,091.154	4,949.184	4,869.121	0.000	4,869.121	4,830.728	5,495.040	5,485.487	5,383.834	163,599.108	227,912.185
Less PY Advance Procurement (<i>\$ in Millions</i>)	2,908.933	413.260	404.500	608.100	-	608.100	578.200	642.700	653.300	663.000	20,262.605	27,134.598
Net Procurement (P-1) (<i>\$ in Millions</i>)	25,299.596	4,677.894	4,544.684	4,261.021	0.000	4,261.021	4,252.528	4,852.340	4,832.187	4,720.834	143,336.503	200,777.587
Plus CY Advance Procurement (<i>\$ in Millions</i>)	3,369.193	404.500	780.300	406.000	-	406.000	736.000	746.500	476.500	967.700	19,247.905	27,134.598
Total Obligation Authority (<i>\$ in Millions</i>)	28,668.789	5,082.394	5,324.984	4,667.021	0.000	4,667.021	4,988.528	5,598.840	5,308.687	5,688.534	162,584.408	227,912.185

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

Initial Spares (<i>\$ in Millions</i>)	1,460.567	362.792	320.831	315.565	-	315.565	312.540	350.539	358.641	366.239	3,994.740	7,842.454
Flyaway Unit Cost (<i>\$ in Millions</i>)	140.466	95.774	99.843	92.465	-	92.465	92.968	88.876	92.762	91.847	126.971	121.621
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	158.475	106.066	107.591	101.440	-	101.440	100.640	101.760	101.583	99.701	132.684	129.275

Description:

Joint Strike Fighter (JSF) program will develop and field a family of aircraft that meets the needs of DoD and allies with the F-35A Conventional Take Off and Landing (CTOL) variant, the F-35B Short Take-Off and Vertical Landing (STOVL) variant, and the F-35C Carrier Variant (CV) with optimum commonality among the three variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy (DON) and the Department of the Air Force (DAF) and currently resides with the Air Force. The F-35s are the next generation of strike fighters which has increased aero-performance, stealth signature and countermeasures. Its advanced avionics, data links and adverse weather precision targeting incorporates the latest technology available. The F-35 has increased range with internal fuel and includes superior weaponry over existing aircraft. 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, DON regular procurement commenced in FY08.

Notes:

(1) Initial Operational Capability (IOC) occurred on 2 August 2016 and Full Rate Production (FRP) is scheduled for April 2019.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 01: Combat Aircraft / BSA 3: Tactical Forces **P-1 Line Item Number / Title:** ATA000 / F-35

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

Line Item MDAP/MAIS Code: 198

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	F-35	P-5a, P-21	B		178 / 28,208.529	48 / 5,091.154	46 / 4,949.184	48 / 4,869.121	- / 0.000	48 / 4,869.121
P-40	Total Gross/Weapon System Cost				178 / 28,208.529	48 / 5,091.154	46 / 4,949.184	48 / 4,869.121	- / 0.000	48 / 4,869.121

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

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

Justification:
 BASIS FOR FY2019 BUDGET REQUEST: The FY19 budget provides funding for 48 F-35A aircraft and associated equipment and support, associated sustainment and logistical requirements for USAF, and Advance Procurement for 48 CTOL aircraft in FY20.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3	P-1 Line Item Number / Title: ATA000 / F-35	Item Number / Title [DODIC]: F-35

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	178	48	46	48	-	48
Gross/Weapon System Cost (\$ in Millions)	28,208.529	5,091.154	4,949.184	4,869.121	0.000	4,869.121
Less PY Advance Procurement (\$ in Millions)	2,908.933	413.260	404.500	608.100	-	608.100
Net Procurement (P-1) (\$ in Millions)	25,299.596	4,677.894	4,544.684	4,261.021	0.000	4,261.021
Plus CY Advance Procurement (\$ in Millions)	3,369.193	404.500	780.300	406.000	-	406.000
Total Obligation Authority (\$ in Millions)	28,668.789	5,082.394	5,324.984	4,667.021	0.000	4,667.021

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

Initial Spares (\$ in Millions)	1,460.567	362.792	320.831	315.565	-	315.565
Gross/Weapon System Unit Cost (\$ in Millions)	158.475	106.066	107.591	101.440	-	101.440

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)

Flyaway - Flyaway End Item Cost																		
Recurring Cost																		
Airframe/CFE ^(†)	81.518	178	14,510.194	61.424	48	2,948.370	57.516	46	2,645.726	57.240	48	2,747.522	-	-	0.000	57.240	48	2,747.522
CFE Electronics	24.767	178	4,408.580	16.370	48	785.753	15.277	46	702.757	14.739	48	707.484	-	-	0.000	14.739	48	707.484
Engines/Eng ACC ^(†)	14.820	178	2,637.920	12.863	48	617.422	12.608	46	579.979	12.576	48	603.653	-	-	0.000	12.576	48	603.653
ECO	3.180	178	566.024	1.812	48	86.955	1.708	46	78.569	1.691	48	81.173	-	-	0.000	1.691	48	81.173
Non-Recurring Cost	-	-	2,189.320	-	-	0.000	-	-	358.356	-	-	65.885	-	-	0.000	-	-	65.885
Ancillary Equip	-	-	690.960	-	-	158.659	-	-	227.395	-	-	232.605	-	-	0.000	-	-	232.605
<i>Subtotal: Recurring Cost</i>	-	-	25,002.998	-	-	4,597.159	-	-	4,592.782	-	-	4,438.322	-	-	0.000	-	-	4,438.322
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	25,002.998	-	-	4,597.159	-	-	4,592.782	-	-	4,438.322	-	-	0.000	-	-	4,438.322

Support - Support End Item Cost																		
Airframe PGSE	-	-	413.572	-	-	102.361	-	-	85.327	-	-	64.280	-	-	0.000	-	-	64.280
Engine PGSE	-	-	202.073	-	-	28.680	-	-	45.950	-	-	4.245	-	-	0.000	-	-	4.245
Avionics PGSE	-	-	466.967	-	-	64.017	-	-	11.810	-	-	8.807	-	-	0.000	-	-	8.807
Peculiar Training Equipment	-	-	450.124	-	-	21.739	-	-	22.390	-	-	12.048	-	-	0.000	-	-	12.048
Full Mission Simulators	13.527	26	351.713	7.174	8	57.393	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Pubs/Tech Data/ALIS	-	-	87.853	-	-	32.376	-	-	10.780	-	-	7.694	-	-	0.000	-	-	7.694
Production Eng Support	-	-	465.276	-	-	92.644	-	-	93.450	-	-	93.688	-	-	0.000	-	-	93.688
Other ILS	-	-	725.813	-	-	94.785	-	-	86.695	-	-	87.019	-	-	0.000	-	-	87.019
Miscellaneous Support	-	-	4.143	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000	-	-	0.000

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3	P-1 Line Item Number / Title: ATA000 / F-35	Item Number / Title [DODIC]: F-35
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Field Activities	-	-	37.997	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000	-	-	0.000
Depot Standup	-	-	-	-	-	-	-	-	-	-	-	153.018	-	-	0.000	-	-	153.018
<i>Subtotal: Support - Support End Item Cost</i>	-	-	3,205.531	-	-	493.995	-	-	356.402	-	-	430.799	-	-	0.000	-	-	430.799
Gross/Weapon System Cost	158.475	178	28,208.529	106.066	48	5,091.154	107.591	46	4,949.184	101.440	48	4,869.121	-	-	0.000	101.440	48	4,869.121

Remarks:

- Airframe Unit Recurring Flyaway (URF) is directly affected by United States Air Force (USAF), Department of the Navy (DON) and International Partners quantity profile changes year over year.
- Non-recurring cost includes such items as the USAF share of Production Non-Recurring Tooling which is necessary to support planned production ramp-up. In addition, it includes Diminishing Manufacturing Sources (Life-of-type part buys), concurrency engineering, technical assistance and Cost Reduction Initiatives (CRI).
- Year to year changes in Ancillary Equipment costs due to changes in aircraft quantity. Equipment includes Gen III Helmet Mounted Displays, launchers, and Pilot Flight Equipment.
- Depot Standup: Beginning with FY19, USAF added Depot Standup Cost Element to identify those costs peculiar to depot site activation and associated lay-in material. These costs were previously rolled up in Airframe, Engine, and Avionics Peculiar Ground Support Equipment Cost Elements.

Totals may not add due to rounding.

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3	P-1 Line Item Number / Title: ATA000 / F-35	Item Number / Title [DODIC]: F-35
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Airframe/CFE ^(†)		2015	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Aug 2016	Jan 2017	28	72.786	Y		Jan 2014
Airframe/CFE ^(†)		2016	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	May 2017	Jan 2018	47	64.467	Y		Jan 2015
Airframe/CFE ^(†)		2017	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Jul 2017	Jan 2019	48	61.424	Y		Jan 2016
Airframe/CFE ^(†)		2018	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Jun 2018	Jan 2020	46	57.516	Y		Jan 2017
Airframe/CFE ^(†)		2019	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Mar 2019	Jan 2021	48	57.240	Y		Jan 2018
Engines/Eng ACC ^(†)		2017	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	Feb 2018	May 2018	48	12.863	Y		Mar 2016
Engines/Eng ACC ^(†)		2018	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	Jun 2018	May 2019	46	12.608	Y		Mar 2017
Engines/Eng ACC ^(†)		2019	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	May 2019	May 2020	48	12.576	Y		Mar 2018
Advance Procurement												
Airframe/CFE: Long Lead Material		2017	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Jul 2017	Jan 2019	46	6.859	Y		Jan 2016
Airframe/CFE: Long Lead Material		2018	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Jun 2018	Jan 2020	48	7.812	Y		Jan 2017
Airframe/CFE: Long Lead Material		2019	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Mar 2019	Jan 2021	48	7.020	Y		Jan 2018
Engines/Eng ACC: Long Lead Material		2017	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	Feb 2018	May 2018	46	1.935	Y		Mar 2016
Engines/Eng ACC: Long Lead Material		2019	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	May 2019	May 2020	48	1.438	Y		Mar 2018

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3 **P-1 Line Item Number / Title:** ATA000 / F-35 **Item Number / Title [DODIC]:** F-35

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2020														Fiscal Year 2021														BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020														Calendar Year 2021														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

Airframe/CFE

Prior Years Deliveries: 103																													
1	2015	AF		28	28	0																							0
1	2015	NAVY (+)		4	4	0																							0
1	2015	MC (+)		6	6	0																							0
1	2015	Total		38	38	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1	2016	AF		47	47	0																							0
1	2016	NAVY (+)		6	2	4	-	-	1	1	1	1																	0
1	2016	MC (+)		15	12	3	3	-	-	-	-	-																	0
1	2016	Total		68	61	7	3	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1	2017	AF		48	33	15	4	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		0
1	2017	NAVY (+)		8	0	8	-	-	-	1	1	1	-	1	1	1	1	1											0
1	2017	MC (+)		18	0	18	-	2	2	2	2	2	2	2	2	2	-	-											0
1	2017	Total		74	33	41	4	7	8	3	3	3	2	3	3	3	1	1	-	-	-	-	-	-	-	-	-	-	0
1	2018	AF		46	0	46	-	-	-	3	3	3	3	4	4	3	5	3	5	5	5								0
1	2018	NAVY (+)		4	0	4	-	-	-	-	-	1	-	1	1	-	-	1	-	-	-								0
1	2018	MC (+)		20	0	20	-	-	-	2	2	2	2	2	2	1	1	1	2	2	1								0
1	2018	Total		70	0	70	-	-	-	5	5	6	5	7	7	4	6	5	7	7	6	-	-	-	-	-	-	-	0
1	2019	AF		48	0	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	2	3	4	5	5	17
1	2019	NAVY (+)		9	0	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	0
1	2019	MC (+)		20	0	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	1	1	1	6
1	2019	Total		77	0	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	6	5	6	6	7	7	23

Engines/Eng ACC

Prior Years Deliveries: 178																														
2	2017	AF		48	48	0																							0	
3	2018	AF		46	16	30	4	3	5	3	5	5	5																0	
2	2019	AF		48	0	48	-	-	-	-	-	-	-	2	2	3	2	3	4	5	5	5	6	6	5				0	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3 **P-1 Line Item Number / Title:** ATA000 / F-35 **Item Number / Title [DODIC]:** F-35

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

Airframe/CFE

Prior Years Deliveries: 103																															
1	2015	AF	28	28	0																										0
1	2015	NAVY (+)	4	4	0																										0
1	2015	MC (+)	6	6	0																										0
1	2015	Total	38	38	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
1	2016	AF	47	47	0																										0
1	2016	NAVY (+)	6	6	0																										0
1	2016	MC (+)	15	15	0																										0
1	2016	Total	68	68	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
1	2017	AF	48	48	0																										0
1	2017	NAVY (+)	8	8	0																										0
1	2017	MC (+)	18	18	0																										0
1	2017	Total	74	74	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
1	2018	AF	46	46	0																										0
1	2018	NAVY (+)	4	4	0																										0
1	2018	MC (+)	20	20	0																										0
1	2018	Total	70	70	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
1	2019	AF	48	31	17	6	6	5																							0
1	2019	NAVY (+)	9	9	0	-	-	-																							0
1	2019	MC (+)	20	14	6	2	2	2																							0
1	2019	Total	77	54	23	8	8	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	

Engines/Eng ACC

Prior Years Deliveries: 178																															
2	2017	AF	48	48	0																										0
3	2018	AF	46	46	0																										0
2	2019	AF	48	48	0																										0
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3	P-1 Line Item Number / Title: ATA000 / F-35	Item Number / Title [DODIC]: F-35
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Lockheed Martin - Fort Worth, TX	24	48	54	6	6	22	28	0	0	0	0
2	Pratt & Whitney - East Hartford, CT	24	48	54	8	8	12	20	0	0	0	0
3	Pratt & Whitney - East Hartford, CT				0	0	0	0	0	0	0	0

Remarks:
Production capacity listed has been updated to reflect USAF F-35A only.

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

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

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

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 01: Combat Aircraft / BSA 3: Tactical Forces	P-1 Line Item Number / Title: ATA000 / F-35
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Program Elements for Code B Items: 0207142F	Other Related Program Elements: 0604800F
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Line Item MDAP/MAIS Code: 198

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
<i>Gross/Weapon System Cost (\$ in Millions)</i>	3,369.193	404.500	780.300	406.000	-	406.000	736.000	746.500	476.500	967.700	19,247.905	27,134.598
<i>Net Procurement (P-1) (\$ in Millions)</i>	3,369.193	404.500	780.300	406.000	-	406.000	736.000	746.500	476.500	967.700	19,247.905	27,134.598
Total Obligation Authority (\$ in Millions)	3,369.193	404.500	780.300	406.000	-	406.000	736.000	746.500	476.500	967.700	19,247.905	27,134.598

Description:

The 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 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 the Navy and the Department of the Air Force and currently resides with the Air Force. The F-35 is the next generation of strike fighter to command and maintain global air superiority. The production cost and quantities are interdependent due to one manufacturer for the program. Advance procurement funding will support Airframe and Engine long-lead parts and materials necessary to protect the delivery schedule of the FY 2020 aircraft buy, as well as associated termination liability.

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 01: Combat Aircraft / BSA 3: Tactical Forces	P-1 Line Item Number / Title: ATA000 / F-35
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Program Elements for Code B Items: 0207142F	Other Related Program Elements: 0604800F
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Line Item MDAP/MAIS Code: 198

Exhibits Schedule				Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	F-35			178 / 3,369.193	48 / 404.500	46 / 780.300	48 / 406.000	- / -	48 / 406.000
P-40	Total Gross/Weapon System Cost			178 / 3,369.193	48 / 404.500	46 / 780.300	48 / 406.000	- / -	48 / 406.000

*Title represents the P-10 Title for Advance Procurement.

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

Justification:
The FY2019 budget requests \$406M of Advanced Procurement for FY2020 long lead materials. The Advance Procurement (AP) funding requested in FY2019 will support Airframe and Engine long-lead parts and materials necessary to protect the Lot 14 delivery schedule.

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Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2019 Air Force					Date: February 2018		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3			P-1 Line Item Number / Title: ATA000 / F-35			P-5 Number / Title: F-35	
First System (2019) Award Date: March 2017		First System (2019) Completion Date: May 2018			Interval Between Systems: 0 Months		
F-35	Production Leadtime <i>(Months)</i>	Prior Years <i>(Each)</i>	FY 2017 <i>(Each)</i>	FY 2018 <i>(Each)</i>	FY 2019 <i>(Each)</i>		
Quantity	9	178	48	46	48		
Cost Elements	When Required <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2017 <i>(\$ M)</i>	FY 2018 <i>(\$ M)</i>	FY 2019 <i>(\$ M)</i>		
CFE							
Airframe/CFE: Long Lead Material ^(†)	18	2,769.925	315.510	374.960	336.980		
Airframe/CFE: For FY19 EOQ	18	-	-	148.006	-		
Airframe/CFE: For FY20 EOQ	30	-	-	148.092	-		
Airframe/CFE: EOQ	0	-	-	0.000	-		
Total: CFE		2,769.925	315.510	671.058	336.980		
GFE							
Engines/Eng ACC: Long Lead Material ^(†)	9	599.268	88.990	61.040	69.020		
Engines/Eng ACC: For FY19 EOQ	9	-	-	24.094	-		
Engines/Eng ACC: For FY20 EOQ	21	-	-	24.108	-		
Engines/Eng ACC: EOQ	21	-	-	0.000	-		
Total: GFE		599.268	88.990	109.242	69.020		
Total Advance Procurement/Obligation Authority		3,369.193	404.500	780.300	406.000		

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Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2019 Air Force						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3			P-1 Line Item Number / Title: ATA000 / F-35			P-5 Number / Title: F-35	
FY 2019							
Cost Elements	QPA (Each)	Production Leadtime (Months)	Unit Cost (\$ M)	Contract Forecast Date	2019 Qty (Each)	For FY	Total Cost Request (\$ M)
CFE							
Airframe/CFE: Long Lead Material ^(†)	-	18	7.020	Mar 2019	48		336.980
Airframe/CFE: For FY19 EOQ	-						-
Airframe/CFE: For FY20 EOQ	-						-
Airframe/CFE: EOQ	-						-
<i>Total: CFE</i>							336.980
GFE							
Engines/Eng ACC: Long Lead Material ^(†)	-	9	1.438	May 2019	48		69.020
Engines/Eng ACC: For FY19 EOQ	-						-
Engines/Eng ACC: For FY20 EOQ	-						-
Engines/Eng ACC: EOQ	-						-
<i>Total: GFE</i>							69.020
Total Advance Procurement/Obligation Authority							406.000

Description:

The advanced procurement funding will procure long lead materials, parts, components, and effort for the production of Lot 14 aircraft for the USAF.

^(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 01: Combat Aircraft / BSA 4: Other Combat Aircraft	P-1 Line Item Number / Title: C135B0 / C-135B
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ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0305145F	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	2	-	2	-	-	-	-	-	2
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	0.000	222.176	0.000	222.176	44.646	0.000	0.000	0.000	-	266.822
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	0.000	222.176	0.000	222.176	44.646	0.000	0.000	0.000	-	266.822
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	0.000	222.176	0.000	222.176	44.646	0.000	0.000	0.000	-	266.822

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	111.088	-	111.088	-	-	-	-	-	133.411

Description:

Open Skies Treaty (OST) Aircraft Recapitalization - Air Force Requirements Decision Memorandum (AFRDM) 11-17-03. Recommends re-hosting this capability on two commercial off-the-shelf small airliner class aircraft, using Air Force unit-level maintenance and contract support for other levels of maintenance and logistics.

MDD scheduled for 3rd QTR FY19.

In BY19 Open Skies Recap is a New Start.

2 OC-135Bs will be replaced with 2 small airliner class aircraft

Funding for this exhibit contained in PE 0305145F

Justification:

This program is a new start.

Problems during Open Skies missions, combined with a lack of updated system requirements, motivated Open Skies program officials to request a Capabilities-Based Assessment (CBA) in July 2015 to study aircraft issues. The CBA was completed in June 2016 and indicated that key requirements in the 1992 Operational Requirements Document(ORD) were no longer current, and important requirements were not addressed in the document. It also showed the current OC-135B had capability performance gaps in range and mission completion.

The Open Skies program received permission in October 2016 to develop a Doctrine, Organization, Training, materiel, Leadership and Education, Personnel, Facilities and Policy (DOTmLPF-P) Change Recommendation (DCR). The DCR used a multi-disciplinary High Performance Team (HPT) to create and validate a series of required capabilities for an Open Skies aircraft, evaluate aircraft that could satisfy the required capabilities, and then consider each of the DCR elements as part of a recommended solution.

This DCR accomplishes two main purposes. First, it proposes updated required capabilities to replace the requirements in the 1992 ORD. These new required capabilities reflect both operational experience to date and expected Open Skies program needs for the foreseeable future. These new required capabilities can be satisfied by available commercial solutions.

The second is to recommend an Air Force solution that best satisfies program required capabilities. The recommendation of this DCR is for the USAF to procure or obtain two small airliner class aircraft for the Open Skies Treaty mission acquired in a method consistent with the Federal Acquisition Regulation and other applicable guidance. The recommended training concept is for personnel to use existing contractor

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 01: Combat Aircraft / BSA 4: Other Combat Aircraft		P-1 Line Item Number / Title: C135B0 / C-135B
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0305145F	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>training facilities, equipment, and curriculum. Finally, the OCR recommends a maintenance concept for the small airliner class aircraft with military personnel performing unit-level maintenance actions and contractors responsible for other maintenance, such as parts supply, and supply chain management, performed under a Low Utilization Maintenance Program.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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:** C130J0 / C-130J

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207224F, 0207230F, 0207237F

Line Item MDAP/MAIS Code: 220

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	118	5	-	-	-	-	-	-	-	-	15	138
Gross/Weapon System Cost (<i>\$ in Millions</i>)	9,254.406	416.654	57.708	35.858	0.000	35.858	39.335	37.182	8.593	38.671	1,612.013	11,500.420
Less PY Advance Procurement (<i>\$ in Millions</i>)	1,059.065	38.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	1,097.065
Net Procurement (P-1) (<i>\$ in Millions</i>)	8,195.341	378.654	57.708	35.858	0.000	35.858	39.335	37.182	8.593	38.671	1,612.013	10,403.355
Plus CY Advance Procurement (<i>\$ in Millions</i>)	1,097.065	-	-	-	-	-	-	-	-	-	0.000	1,097.065
Total Obligation Authority (<i>\$ in Millions</i>)	9,292.406	378.654	57.708	35.858	0.000	35.858	39.335	37.182	8.593	38.671	1,612.013	11,500.420
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	70.169	-	-	-	-	-	-	-	-	-	-	70.169
Flyaway Unit Cost (<i>\$ in Millions</i>)	62.183	72.400	-	-	-	-	-	-	-	-	86.541	65.201
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	78.427	83.331	-	-	-	-	-	-	-	-	107.468	83.336

Description:

The C-130J is a medium-size transport aircraft capable of performing a variety of combat delivery (tactical airlift) operations across a broad range of mission environments. The C-130J aircraft, with its extended (by 15 ft) fuselage, provides additional cargo carrying capacity for the USAF combat delivery mission compared with legacy C-130E/Hs and the C-130J (short).

Other variants of the USAF C-130J fleet are all short-bodied aircraft and include the EC-130J (airborne psychological operations), WC-130J (weather reconnaissance), HC-130J (combat search and rescue), MC-130J (special operations), and the AC-130J (close air support and armed reconnaissance). These variants are addressed in their own budget documents.

17 C-130Js have been procured with National Guard, Reserve Equipment Account (NGREA) funds and are not included in the "Prior Years" section of this document.

Funding for this exhibit is contained in PE 0401132F which also contains associated Research Development Test and Evaluation (RDT&E) funding.

Program funding includes Diminishing Manufacturing Sources.

FY17 funding totals include \$73M of Overseas Contingency Operations (OCO) for a combat loss.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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:** C130J0 / C-130J

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207224F, 0207230F, 0207237F

Line Item MDAP/MAIS Code: 220

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	C-130J	P-5a, P-21	A		118 / 9,254.406	5 / 416.654	- / 57.708	- / 35.858	- / 0.000	- / 35.858
P-40	Total Gross/Weapon System Cost				118 / 9,254.406	5 / 416.654	- / 57.708	- / 35.858	- / 0.000	- / 35.858

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

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

Justification:
 FY19 funding provides logistics support for aircraft, aircrew and maintenance training devices, and program management support.

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3	P-1 Line Item Number / Title: C130J0 / C-130J	Item Number / Title [DODIC]: C-130J

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	118	5	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	9,254.406	416.654	57.708	35.858	0.000	35.858
Less PY Advance Procurement (\$ in Millions)	1,059.065	38.000	0.000	0.000	-	0.000
Net Procurement (P-1) (\$ in Millions)	8,195.341	378.654	57.708	35.858	0.000	35.858
Plus CY Advance Procurement (\$ in Millions)	1,097.065	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	9,292.406	378.654	57.708	35.858	0.000	35.858

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

Initial Spares (\$ in Millions)	70.169	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	78.427	83.331	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)

Flyaway - Flyaway End Item Cost																		
Recurring Cost																		
Airframe ^(†)	60.453	118	7,133.491	71.400	5	357.000	-	-	0.000	-	-	-	-	-	-	-	-	-
Other Government Furnished Equipment	-	-	204.136	-	-	5.000	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	7,337.627	-	-	362.000	-	-	0.000	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - Flyaway End Item Cost	-	-	7,337.627	-	-	362.000	-	-	0.000	-	-	-	-	-	-	-	-	-

Support - Support End Item Cost																		
Airframe Peculiar Ground Support Equipment (PGSE)	-	-	24.625	-	-	1.500	-	-	1.100	-	-	2.500	-	-	-	-	-	2.500
Peculiar Training Equipment	-	-	275.105	-	-	1.332	-	-	14.477	-	-	1.285	-	-	-	-	-	1.285
Publications/Technical Data	-	-	65.619	-	-	1.200	-	-	1.500	-	-	2.000	-	-	-	-	-	2.000
Diminishing Manufacturing Sources (DMS)	-	-	160.556	-	-	4.723	-	-	8.600	-	-	7.041	-	-	-	-	-	7.041
Interim Contractor Support (ICS)	-	-	83.834	-	-	0.000	-	-	0.800	-	-	3.000	-	-	-	-	-	3.000
Interim Supply Support (ISS) (Spares)	-	-	884.900	-	-	39.599	-	-	18.000	-	-	10.000	-	-	-	-	-	10.000
Data	-	-	54.186	-	-	1.200	-	-	0.000	-	-	-	-	-	-	-	-	-
Post Delivery Support	-	-	57.960	-	-	0.900	-	-	1.610	-	-	1.627	-	-	-	-	-	1.627

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Exhibit P-5, Cost Analysis: PB 2019 Air Force												Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3						P-1 Line Item Number / Title: C130J0 / C-130J						Item Number / Title [DODIC]: C-130J					
ID Code (A=Service Ready, B=Not Service Ready) : A												MDAP/MAIS Code:					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Organic Depot Support	-	-	56.150	-	-	2.500	-	-	1.590	-	-	2.205	-	-	-	-	-	2.205
PMA Contractor Services	-	-	71.047	-	-	0.500	-	-	3.831	-	-	4.250	-	-	-	-	-	4.250
Other	-	-	34.664	-	-	0.000	-	-	3.500	-	-	0.426	-	-	-	-	-	0.426
PMA Government Services	-	-	108.835	-	-	0.000	-	-	1.500	-	-	0.401	-	-	-	-	-	0.401
Miscellaneous Equipment	-	-	5.024	-	-	1.200	-	-	1.200	-	-	1.123	-	-	-	-	-	1.123
Withhold	-	-	34.274	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>	-	-	1,916.779	-	-	54.654	-	-	57.708	-	-	35.858	-	-	-	-	-	35.858
Gross/Weapon System Cost	78.427	118	9,254.406	83.331	5	416.654	-	-	57.708	-	-	35.858	-	-	0.000	-	-	35.858

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3	P-1 Line Item Number / Title: C130J0 / C-130J	Item Number / Title [DODIC]: C-130J
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Airframe ^(†)		2015	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2015	Dec 2016	8	63.597	Y		Oct 2012
Airframe ^(†)		2016	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Mar 2016	Oct 2017	14	64.797	Y		Oct 2012
Airframe ^(†)		2017	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2016	Feb 2019	5	71.400	Y		Oct 2012

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3 **P-1 Line Item Number / Title:** C130J0 / C-130J **Item Number / Title [DODIC]:** C-130J

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Airframe																															
Prior Years Deliveries: 96																															
1		2015	AF	8	0	8			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
1		2016	AF	14	0	14																							14		
1		2017	AF	5	0	5																							5		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3 **P-1 Line Item Number / Title:** C130J0 / C-130J **Item Number / Title [DODIC]:** C-130J

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019												BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P	
Airframe																																
Prior Years Deliveries: 96																																
1		2015	AF	8	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
1		2016	AF	14	0	14	1	1	1	1	1	-	-	1	1	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
1		2017	AF	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	3	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3 **P-1 Line Item Number / Title:** C130J0 / C-130J **Item Number / Title [DODIC]:** C-130J

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2020												Fiscal Year 2021												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020												Calendar Year 2021												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Airframe																															
Prior Years Deliveries: 96																															
1		2015	AF	8	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
1		2016	AF	14	12	2	-	-	-	-	1	-	1																0		
1		2017	AF	5	2	3	-	-	-	-	-	1	-	-	-	1	1												0		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force	Date: February 2018
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3	P-1 Line Item Number / Title: C130J0 / C-130J	Item Number / Title [DODIC]: C-130J
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Lockheed Martin - Marietta GA				0	0	0	0	0	0	0	0	0

Remarks:
 FY15 C-130J: One aircraft was added and it will deliver after the multiyear aircraft.
 FY17 AF: Minimum sustaining rate does not apply as this rate includes all C-130J customers.

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

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

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 02: Airlift Aircraft / BSA 2: Tactical Airlift **P-1 Line Item Number / Title:** KC046A / KC-46A Tanker

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0401221F **Other Related Program Elements:** 0605221F

Line Item MDAP/MAIS Code: 387

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	19	15	15	15	-	15	15	15	15	15	51	175
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,484.242	2,567.191	2,545.674	2,559.911	0.000	2,559.911	2,862.067	2,946.218	2,794.926	2,829.095	9,519.362	32,108.686
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	3,484.242	2,567.191	2,545.674	2,559.911	0.000	2,559.911	2,862.067	2,946.218	2,794.926	2,829.095	9,519.362	32,108.686
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,484.242	2,567.191	2,545.674	2,559.911	0.000	2,559.911	2,862.067	2,946.218	2,794.926	2,829.095	9,519.362	32,108.686
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	52.965	322.383	413.373	365.028	-	365.028	240.623	128.421	216.556	252.178	858.284	2,849.811
Flyaway Unit Cost (<i>\$ in Millions</i>)	152.765	157.588	153.887	148.395	-	148.395	159.053	172.685	171.184	173.248	174.256	164.744
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	183.381	171.146	169.712	170.661	-	170.661	190.804	196.415	186.328	188.606	186.654	183.478

Description:

Replacement of the legacy tanker fleet will take place in several stages. The initial tanker replacement increment of KC-46s will replace roughly a third of the current capability. Future programs will ultimately recapitalize the entire tanker fleet over a period of more than 30 years. The Air Force completed an Analysis of Alternatives (AoA) in Apr 2006 to determine the most appropriate strategy to recapitalize the aging fleet of aerial refueling aircraft. Based on this analysis, the Air Force concluded a strategy of full and open competition to select a commercial derivative replacement tanker aircraft would result in a best value tanker contract. To initiate the first phase of the tanker replacement, the KC-46 program released a final Request for Proposal (RFP) on 24 Feb 2010, and entered source selection on 9 Jul 2010. The KC-46 program held a Milestone B (MS B) Defense Acquisition Board (DAB) on 23 Feb 2011, received approval to enter Engineering and Manufacturing Development (EMD) from the Undersecretary of Defense (Acquisition, Technology and Logistics) (USD(AT&L)) on 24 Feb 2011, and awarded the KC-46 EMD contract to Boeing on 24 Feb 2011 to develop and procure 179 KC-46 aircraft. The program is procuring four RDT&E aircraft for integration and demonstration of capability which will ultimately be operationally fielded. During production, the program plans to procure 175 aircraft throughout 13 lots. The KC-46 program held a MS C DAB on 12 Aug 2016 and received approval to enter low late initial production (LRIP). The program awarded Lots 1 and 2 on 18 Aug 2016 and Lot 3 on 27 Jan 2017, totaling 34 aircraft. Initial sustainment efforts will be provided via Interim Contractor Support (ICS). KC-46 funding also supports Training Systems, Support Equipment, Operational Site Activation, Depot Stand-Up, Alternate Mission Equipment (AME), Direct Mission Support, Program Management Administration (PMA) activities, Other Government Costs (OGC), various studies and analyses, future tanker replacement planning activities, long lead items, and potential Diminishing Manufacturing Sources (DMS) and obsolescence planning activities.

The KC-46 will provide the capability to fuel joint and coalition receivers via a boom or drogue system on every mission and will also augment the airlift fleet with cargo, passenger, and aeromedical evacuation capabilities. The KC-46 will operate in day/night and adverse weather conditions to enable deployment, employment, sustainment, and redeployment of U.S. joint, allied, and coalition forces. The KC-46 will have communication, navigation, and surveillance equipment for world-wide operations; the capability to perform missions in chemical and biological environments; the ability to operate in up to medium threat environments with self-defense/protection (both active and passive) capabilities; and the necessary battle space awareness to mitigate survivability threats.

The Aircrew Training System (ATS) and Maintenance Training System (MTS) are being developed and procured using KC-46 funding. The ATS contract was awarded on 1 May 2013 to FlightSafety Services Corporation. The ATS contract will provide Aircrew Training Devices (ATDs), to include Weapon System Trainers (WSTs), Boom Operator Trainers (BOTs), Fuselage Trainers (FuTs), and Part-Task Trainers (PTTs) at each Main Operating Base (MOB) and the Formal Training Unit (FTU). The ATS contract will also support Distributed Mission Operations (DMO), provide aircrew instruction, develop courseware, provide logistics support, acquire a technical data package to support future competition efforts, and manage training device concurrency with the aircraft. The ATS initial production options were exercised on 19 Aug 2015 with the second options exercised on 31 May 2017. The MTS contract was awarded 6 Jul 2016 to The Boeing Company. The MTS acquisition focuses on designing, developing, testing, producing, and fielding an optimized training system for KC-46 maintainers by integrating various forms of training media and Maintenance Training Devices (MTDs) into a "blended" solution. This blended solution includes the appropriate mix of hardware and software, "high-fidelity" Augmented Hardware Training Devices (AHTDs), PTTs, Interactive Multimedia Instruction (IMI), and emerging technologies to meet validated Air Mobility Command (AMC) maintenance training requirements. The MTS initial production options were exercised on 15 Jun 2017 in support of ready for training dates.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 02: Airlift Aircraft / BSA 2: Tactical Airlift		P-1 Line Item Number / Title: KC046A / KC-46A Tanker
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0401221F	Other Related Program Elements: 0605221F
Line Item MDAP/MAIS Code: 387		

The MS B acquisition strategy planned for two LRIP lots followed by 11 Full-Rate Production (FRP) lots for a total aircraft procurement of 175 production aircraft. An update to the acquisition strategy occurred in support of MS C that increased LRIP from two to four lots, with the total aircraft buy remaining at 175 production aircraft. A December 2017 USD(AT&L) Acquisition Decision Memorandum expanded LRIP to include Lot 5.

LRIP began with two FFP and three FFP Not to Exceed (NTE) options (LRIP-1 Qty 7, LRIP-2 Qty 12, LRIP-3 Qty 15, LRIP-4 Qty 15, and LRIP-5 Qty 15) followed by eight FRP options [via NTE values + Economic Price Adjustment (EPA)]. The MS C acquisition strategy for Large Aircraft Infrared Countermeasures (LAIRCM) changed from Contractor Furnished Equipment (CFE) to Government Furnished Equipment (GFE) in FY 2017; funding procured LAIRCM for Lot 3 and Lot 4 aircraft. FY 2019 funding provides for the procurement of LAIRCM in support of future year aircraft production.

In May 2016, the program announced a delay to aircraft deliveries and issued a Program Deviation Report declaring an Acquisition Program Baseline (APB) schedule breach. The primary causes of the delays are certification and receipt of fully-conformed hardware for the Wing Aerial Refueling Pods (WARPs) and Centerline Drogue System (CDS), which are the systems used to refuel probe-and-drogue receiver aircraft. Additionally, Boeing needs more time to incorporate design changes into the production aircraft. The KC-46 program is now operating to an updated schedule that was reviewed at MS C, captured in a new Integrated Master Schedule that was delivered in Dec 2016, and incorporated into a new APB that was approved in Jan 2017. The current schedule is known as KC-46 Rebaseline-0800 (KCR-0800) and new aircraft delivery dates are reflected in this document. Boeing projects the first aircraft delivery 19 Apr 2018. The Air Force will continue to support Boeing's efforts to execute the program, however the Air Force assessment predicts deliveries beyond Boeing's forecast beyond late spring 2018 unless performance improves.

Note: Initial Spares were procured with Aircraft Procurement, Air Force (APAF), Aircraft Weapon System funding in FY 2015 and transitioned to APAF, Aircraft Initial Spares and Repairs funding in FY 2016. Spare engines are included within the Initial Spares line.

KC-46 is code B as it has not yet completed a FRP decision. The KC-46 program successfully completed Critical Design Review (CDR) in Aug 2013, one month ahead of the contractual requirement. Live Fire Testing began in Apr 2011 and completed in FY 2016 with a final report due in FY 2018. Developmental Test and Evaluation (DT&E) is scheduled for the first quarter of FY 2015 through the fourth quarter of FY 2018 with plans to utilize LRIP aircraft. KC-46 First Flight occurred on 25 Sep 2015. Initial Operational Test and Evaluation (IOT&E) is scheduled to begin in the fourth quarter of FY 2018 contingent upon planned availability of LRIP aircraft and scheduled delivery of Tech Orders.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), the KC-46 is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Funding for an Aeromedical Evacuation (AE) Cargo Compartment Trainer (FY2020) contained in PE 0401897F.

Funding for this exhibit contained in PE 0401221F.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 02: Airlift Aircraft / BSA 2: Tactical Airlift **P-1 Line Item Number / Title:** KC046A / KC-46A Tanker

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0401221F **Other Related Program Elements:** 0605221F

Line Item MDAP/MAIS Code: 387

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	KC-46A Tanker	P-5a, P-21	B		19 / 3,484.242	15 / 2,567.191	15 / 2,545.674	15 / 2,559.911	- / 0.000	15 / 2,559.911
P-40	Total Gross/Weapon System Cost				19 / 3,484.242	15 / 2,567.191	15 / 2,545.674	15 / 2,559.911	- / 0.000	15 / 2,559.911

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

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

Justification:

The FY 2019 budget supports the procurement of 15 KC-46A aircraft along with other necessary associated expenses to deliver, sustain, and maintain the Lot 5 aircraft buy to include Support Equipment, Operational Site Activation, Depot Stand-Up, ICS, Alternate Mission Equipment (e.g., WARPs, Palletized Seating), and Direct Mission Support. FY 2019 funding provides for the procurement of long-lead GFE (e.g., LAIRCM) in support of future year aircraft production. The WARP kits (2 pods per kit) will be procured as CFE.

PMA activities for contractor services and OGCs are included in the FY 2019 funding. The FY 2019 funding will also support studies and analyses and potential DMS/obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity.

The KC-46 FY 2019 funding will include ATS procurement of ATDs, MTS procurement of MTDs, and compulsory elements required to support Aircrew and Maintenance Training throughput levels as identified by AMC.

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Exhibit P-5, Cost Analysis: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2	P-1 Line Item Number / Title: KC046A / KC-46A Tanker	Item Number / Title [DODIC]: KC-46A Tanker
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ID Code (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	19	15	15	15	-	15
Gross/Weapon System Cost (\$ in Millions)	3,484.242	2,567.191	2,545.674	2,559.911	0.000	2,559.911
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	3,484.242	2,567.191	2,545.674	2,559.911	0.000	2,559.911
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3,484.242	2,567.191	2,545.674	2,559.911	0.000	2,559.911

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

Initial Spares (\$ in Millions)	52.965	322.383	413.373	365.028	-	365.028
Gross/Weapon System Unit Cost (\$ in Millions)	183.381	171.146	169.712	170.661	-	170.661

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Flyaway - Flyaway End Item Cost																		
Recurring Cost																		
Airframe ^(†)	149.866	19	2,847.448	147.728	15	2,215.925	145.428	15	2,181.420	146.529	15	2,197.934	-	-	-	146.529	15	2,197.934
AME Wing Aerial Refueling Pod (WARP) kits	5.218	10	52.181	5.435	5	27.177	5.500	5	27.499	5.599	5	27.994	-	-	-	5.599	5	27.994
GFE (LAIRCM)	-	-	0.000	2.683	45	120.715	3.313	30	99.390	-	-	0.000	-	-	-	-	-	0.000
AME (Other)	-	-	2.899	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	2,902.528	-	-	2,363.817	-	-	2,308.309	-	-	2,225.928	-	-	-	-	-	2,225.928
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	2,902.528	-	-	2,363.817	-	-	2,308.309	-	-	2,225.928	-	-	-	-	-	2,225.928
Support - Support End Item Cost																		
Init. Spares	-	-	168.686	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Aircrew Training Systems (ATS)	-	-	68.922	-	-	35.644	-	-	35.200	-	-	34.818	-	-	-	-	-	34.818
Maintenance Training Systems (MTS)	-	-	0.000	-	-	4.591	-	-	0.000	-	-	35.664	-	-	-	-	-	35.664
Support Equipment	-	-	187.303	-	-	37.013	-	-	118.435	-	-	0.000	-	-	-	-	-	0.000
Operational Site Activation	-	-	3.209	-	-	3.302	-	-	3.397	-	-	3.494	-	-	-	-	-	3.494
Depot Stand-Up	-	-	57.372	-	-	0.000	-	-	51.480	-	-	130.470	-	-	-	-	-	130.470
Interim Contractor Support	-	-	94.848	-	-	102.890	-	-	9.084	-	-	102.720	-	-	-	-	-	102.720
Direct Mission Support	-	-	0.356	-	-	16.939	-	-	3.644	-	-	10.517	-	-	-	-	-	10.517

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Exhibit P-5, Cost Analysis: PB 2019 Air Force													Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2						P-1 Line Item Number / Title: KC046A / KC-46A Tanker						Item Number / Title [DODIC]: KC-46A Tanker						
ID Code (A=Service Ready, B=Not Service Ready) : B										MDAP/MAIS Code:								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
PMA - Contractor Services	-	-	0.904	-	-	2.396	-	-	12.830	-	-	13.033	-	-	-	-	-	13.033
PMA - Other Government Costs	-	-	0.114	-	-	0.599	-	-	3.295	-	-	3.267	-	-	-	-	-	3.267
Aeromedical Evacuation Cargo Compartment Trainer	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Support - Support End Item Cost</i>	-	-	581.714	-	-	203.374	-	-	237.365	-	-	333.983	-	-	-	-	-	333.983
Gross/Weapon System Cost	183.381	19	3,484.242	171.146	15	2,567.191	169.712	15	2,545.674	170.661	15	2,559.911	-	-	0.000	170.661	15	2,559.911

Remarks:

Initial Spares were procured with Aircraft Procurement, Air Force (APAF), Aircraft Weapons System funding in FY 2015 and transitioned to APAF, Aircraft Initial Spares and Repairs funding in FY 2016. Spare engines are included within the Initial Spares line.

Due to program delays, ICS Period 1 was extended at no cost to the government. This extension facilitated the realignment of funding for subsequent ICS Periods (2-5). ICS funding requirements return to normal in FY 2019 with ICS Period 4.

AMC's current operational strategy is for all KC-46 aircraft to be capable of utilizing Wing Aerial Refueling Pods (WARPs), but there is currently no requirement to procure an equal number of WARPs to aircraft. Instead, the WARPs will be used on select missions, as needed. The program will procure a total of 42 WARP kits.

Flyaway cost elements (LAIRCM & AME) have been broken out to show a lower level of detail to accurately reflect the acquisition strategy and execution of these requirements.

The Support cost element Data, which existed in previous budget documentation, has been removed. The contract currently allows for Data as Not Separately Priced (NSP) Options which will be exercised along with each Aircraft Lot buy.

Unit Cost Variations: The Airframe unit cost is based on the aircraft unit prices proposed during the KC-46 competition. These prices and projected escalation vary from year to year, leading to variability in the unit cost. In addition, fluctuations are driven by non-recurring contract costs associated with the Production of the aircraft.

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2	P-1 Line Item Number / Title: KC046A / KC-46A Tanker	Item Number / Title [DODIC]: KC-46A Tanker
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Airframe ^(†)		2015	Boeing / Everett	C / FFP	AFLCMC/WK - Tankers	Aug 2016	Apr 2018	7	175.504	Y		Feb 2016
Airframe ^(†)		2016	Boeing / Everett	C / FFP	AFLCMC/WK - Tankers	Aug 2016	May 2018	12	170.733	Y		Feb 2016
Airframe ^(†)		2017	Boeing / Everett	C / FFP	AFLCMC/WK - Tankers	Jan 2017	Jul 2018	15	147.728	Y		Nov 2015
Airframe ^(†)		2018	Boeing / Everett	C / FFP	AFLCMC/WK - Tankers	Jun 2018	Apr 2019	15	145.428	Y		Oct 2016
Airframe ^(†)		2019	Boeing / Everett	C / FFP	AFLCMC/WK - Tankers	Jan 2019	May 2020	15	146.529	Y		Dec 2017

^(†) indicates the presence of a P-21

Remarks:

Specs Available Now: These lots are pre-negotiated options to the KC-46 EMD contract based on the current aircraft system specification. The initial product baseline established at CDR will support the MS C decision and LRIP. Boeing is responsible for the correction of any deficiencies discovered in the KC-46 weapon system components (e.g., air vehicle, support equipment, training) during EMD to include the periods of integrated test (DT, OT, FAA, AR Cert) through IOT&E or after collection of receiver certification data for nineteen (19) receiver aircraft pairings during Phase 3 AR Cert, whichever occurs later. This product baseline will be finalized and validated at the Physical Configuration Audit.

Unit Cost Variations: The Airframe unit cost is based on the aircraft unit prices proposed during the KC-46 competition. These prices and projected escalation vary from year to year, leading to variability in the unit cost. In addition, fluctuations are driven by non-recurring contract costs associated with the Production of the aircraft.

RFP Issue Date: Lot 1 & 2 were pre-priced options established at EMD contract award. Feb 2016 represents the Notice of Intent to Exercise Production Options sent to Boeing.

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2	P-1 Line Item Number / Title: KC046A / KC-46A Tanker	Item Number / Title [DODIC]: KC-46A Tanker
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019												BALANCE																					
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019																																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P																				
Airframe																																																			
1		2015	AF	7	0	7	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	3																			
1		2016	AF	12	0	12	-	-	-	-	-	-	-	1	3	2	1	-	-	-	1	1	-	2	1													0													
1		2017	AF	15	0	15	-	-	-	-	-	-	-	-	-	2	3	4	2	1	1	1	1													0															
1		2018	AF	15	0	15													A	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	9															
1		2019	AF	15	0	15													A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15															
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> </tr> </table>																												O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																												

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2 **P-1 Line Item Number / Title:** KC046A / KC-46A Tanker **Item Number / Title [DODIC]:** KC-46A Tanker

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2020												Fiscal Year 2021												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020												Calendar Year 2021												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Airframe																															
1		2015	AF	7	4	3	-	1	-	1	1																		0		
1		2016	AF	12	12	0																							0		
1		2017	AF	15	15	0																							0		
1		2018	AF	15	6	9	2	1	1	1	2	-	2																0		
1		2019	AF	15	0	15	-	-	-	-	-	-	-	2	1	1	1	1	2	1	1	1	2	-	2				0		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force								Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2					P-1 Line Item Number / Title: KC046A / KC-46A Tanker				Item Number / Title [DODIC]: KC-46A Tanker			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Boeing - Everett	12	15	24	0	0	0	0	12	4	16	20

Remarks:

Minimum Sustaining Rate (MSR) for production is 12 aircraft/year.

Economic Rate does not reflect 1 shift of 8 hours 5 days a week; aligns to Boeing's operating plan.

Admin Lead Time to definitize Not to Exceed (NTE) production options is 18-24 months; definitization of NTE does not have to occur prior to option award.

Production deliveries exceeding the 12 month period:

Boeing made a business decision to build aircraft at risk, ahead of contract award, in order to meet original contract requirements to deliver Required Assets Available (RAA) of 18 aircraft by August 2017. These 18 aircraft are part of Lot 1, Lot 2, and Lot 3. Due to continued KC-46 design changes during development, four aircraft in Lot 1 require significant change incorporation to bring them up to the production baseline. This change incorporation will delay four Lot 1 aircraft deliveries, however this will not delay the overall delivery of aircraft to the warfighter because Boeing continues to build ahead of contractual delivery dates and will have 18 aircraft ready to deliver over 6-months once aircraft deliveries start.

Boeing projects the first aircraft delivery 19 Apr 2018. The Air Force will to continue to support Boeing's efforts to execute the program, however the Air Force assessment products deliveries beyond Boeing's forecast beyond late spring 2018 unless performance improves.

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

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

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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:** C130J1 / C-130J

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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	57.708	0.000	0.000	0.000	31.059	28.758	0.000	29.922	-	147.447
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	57.708	0.000	0.000	0.000	31.059	28.758	0.000	29.922	-	147.447
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	57.708	0.000	0.000	0.000	31.059	28.758	0.000	29.922	-	147.447

(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 document is required due to a error in the database. Please reference Line Item #4 for details. This document is required due to an error in the P-1 exhibit which created Line # 6, with following amounts - \$38.000 Million in FY17 and +\$57.708 Million in FY18.

Justification:

No FY19 Funding requested.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	22	4	2	1	1	2	-	-	-	-	-	30
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,914.011	359.576	218.502	129.437	100.000	229.437	0.000	0.000	0.000	0.000	0.000	2,721.526
Less PY Advance Procurement (<i>\$ in Millions</i>)	165.877	42.000	20.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	227.877
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,748.134	317.576	198.502	129.437	100.000	229.437	0.000	0.000	0.000	0.000	0.000	2,493.649
Plus CY Advance Procurement (<i>\$ in Millions</i>)	207.877	20.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	227.877
Total Obligation Authority (<i>\$ in Millions</i>)	1,956.011	337.576	198.502	129.437	100.000	229.437	0.000	0.000	0.000	0.000	0.000	2,721.526

(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>)	72.021	77.361	84.168	91.231	91.231	91.231	-	-	-	-	-	74.824
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	87.001	89.894	109.251	129.437	100.000	114.719	-	-	-	-	-	90.718

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 Depot Activation costs, Diminishing Manufacturing Sources, and allows for corrections of production deficiencies. This funding request will support potential DMS and obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity.

Funding for this exhibit is contained in PE 0207224F.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	HC-130J	P-5a, P-21	A		22 / 1,914.011	4 / 359.576	2 / 218.502	1 / 129.437	1 / 100.000	2 / 229.437
P-40	Total Gross/Weapon System Cost				22 / 1,914.011	4 / 359.576	2 / 218.502	1 / 129.437	1 / 100.000	2 / 229.437

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

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

Justification:

The FY 2019 budget supports the production of 2 HC-130Js and associated support requirements.

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3	P-1 Line Item Number / Title: C130JH / HC-130J	Item Number / Title [DODIC]: HC-130J

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	22	4	2	1	1	2
Gross/Weapon System Cost (\$ in Millions)	1,914.011	359.576	218.502	129.437	100.000	229.437
Less PY Advance Procurement (\$ in Millions)	165.877	42.000	20.000	0.000	-	0.000
Net Procurement (P-1) (\$ in Millions)	1,748.134	317.576	198.502	129.437	100.000	229.437
Plus CY Advance Procurement (\$ in Millions)	207.877	20.000	0.000	0.000	-	0.000
Total Obligation Authority (\$ in Millions)	1,956.011	337.576	198.502	129.437	100.000	229.437

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	87.001	89.894	109.251	129.437	100.000	114.719

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Flyaway - Flyaway End Item Cost																		
Recurring Cost																		
Airframe/Engines/Accessories ^(†)	68.448	22	1,505.862	72.261	4	289.045	82.268	2	164.535	86.131	1	86.131	86.131	1	86.131	86.131	2	172.262
Government Furnished Equipment (GFE)	-	-	49.920	-	-	7.600	-	-	3.800	-	-	1.900	-	-	1.900	-	-	3.800
LAIRCM Group B	-	-	28.690	-	-	12.800	-	-	0.000	-	-	3.200	-	-	3.200	-	-	6.400
Block Upgrade	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	1,584.472	-	-	309.445	-	-	168.335	-	-	91.231	-	-	91.231	-	-	182.462
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	1,584.472	-	-	309.445	-	-	168.335	-	-	91.231	-	-	91.231	-	-	182.462
Support - Support End Item Cost																		
Airframe Peculiar Ground Support Equipment (PGSE)	-	-	12.388	-	-	2.273	-	-	1.601	-	-	0.800	-	-	0.800	-	-	1.600
Peculiar Training Equipment	-	-	68.671	-	-	7.223	-	-	0.586	-	-	0.250	-	-	0.250	-	-	0.500
Publications/Technical Data	-	-	17.355	-	-	6.000	-	-	5.500	-	-	1.000	-	-	1.000	-	-	2.000
Diminishing Manufacturing Sources (DMS)	-	-	18.859	-	-	18.500	-	-	7.300	-	-	3.000	-	-	1.500	-	-	4.500
Interim Contractor Support (ICS)	-	-	20.323	-	-	1.000	-	-	1.000	-	-	1.000	-	-	1.000	-	-	2.000

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3	P-1 Line Item Number / Title: C130JH / HC-130J	Item Number / Title [DODIC]: HC-130J
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Post Delivery Support	-	-	11.674	-	-	5.000	-	-	5.000	-	-	5.000	-	-	0.000	-	-	5.000
Interim Supply Support (ISS)	-	-	158.715	-	-	7.469	-	-	26.621	-	-	24.606	-	-	1.669	-	-	26.275
Data	-	-	7.257	-	-	1.000	-	-	1.000	-	-	1.000	-	-	1.000	-	-	2.000
PMA Contractor Services	-	-	7.922	-	-	0.950	-	-	0.959	-	-	0.950	-	-	0.950	-	-	1.900
PMA Government Costs	-	-	1.197	-	-	0.136	-	-	0.100	-	-	0.100	-	-	0.100	-	-	0.200
Other Government Cost	-	-	5.178	-	-	0.580	-	-	0.500	-	-	0.500	-	-	0.500	-	-	1.000
Withhold	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>	-	-	329.539	-	-	50.131	-	-	50.167	-	-	38.206	-	-	8.769	-	-	46.975
Gross/Weapon System Cost	87.001	22	1,914.011	89.894	4	359.576	109.251	2	218.502	129.437	1	129.437	100.000	1	100.000	114.719	2	229.437

Remarks:

The MC-130J, HC-130J, and AC-130J are managed as a common platform and PMA costs are shared. This funding request will support Depot Activation costs, as well as potential DMS and obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity.

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force							Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3			P-1 Line Item Number / Title: C130JH / HC-130J				Item Number / Title [DODIC]: HC-130J					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Airframe/Engines/Accessories ^(†)		2015	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2015	Aug 2017	4	70.336	Y		Oct 2012
Airframe/Engines/Accessories ^(†)		2016	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Mar 2016	Oct 2018	6	71.538	Y		Oct 2012
Airframe/Engines/Accessories ^(†)		2017	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2016	Aug 2019	4	72.261	Y		Oct 2012
Airframe/Engines/Accessories ^(†)		2018	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Aug 2018	Apr 2021	2	82.268	Y		Mar 2016
Airframe/Engines/Accessories ^(†)		2019	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Sep 2019	Mar 2022	1	86.131	Y		Mar 2018
Airframe/Engines/Accessories ^(†)	✓	2019	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Sep 2019	Mar 2022	1	86.131	Y		Mar 2018

Advance Procurement

Airframe/Engines/Accessories: HC-130J Airframe Equipment		2017	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2016	Aug 2019	2	0.000	Y		Oct 2012
Airframe/Engines/Accessories: HC-130J Airframe Equipment		2018	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Aug 2018	Apr 2021	1	0.000	Y		Mar 2016
Airframe/Engines/Accessories: HC-130J Airframe Equipment		2019	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Sep 2019	Mar 2022	0	0.000	Y		Mar 2018

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3 **P-1 Line Item Number / Title:** C130JH / HC-130J **Item Number / Title [DODIC]:** HC-130J

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017												BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P	
Airframe/Engines/Accessories																																
Prior Years Deliveries: 12																																
	1	2015	AF	4	0	4			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
	1	2016	AF	6	0	6																									6	
	1	2017	AF	4	0	4																									4	
	1	2018	AF	2	0	2																									2	
	1	2019	AF	1	0	1																									1	
✓	1	2019	AF	1	0	1																									1	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3 **P-1 Line Item Number / Title:** C130JH / HC-130J **Item Number / Title [DODIC]:** HC-130J

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Airframe/Engines/Accessories																															
Prior Years Deliveries: 12																															
	1	2015	AF	4	2	2	1	-	-	-	-	1																		0	
	1	2016	AF	6	0	6	-	-	-	-	-	-	-	-	-	-	-	2	-	1	1	-	-	-	-	-	-	1	-	1	
	1	2017	AF	4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	
	1	2018	AF	2	0	2												A	-	-	-	-	-	-	-	-	-	-	-	2	
	1	2019	AF	1	0	1																								A	1
✓	1	2019	AF	1	0	1																								A	1

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3 **P-1 Line Item Number / Title:** C130JH / HC-130J **Item Number / Title [DODIC]:** HC-130J

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2020												Fiscal Year 2021												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020												Calendar Year 2021												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Airframe/Engines/Accessories																															
Prior Years Deliveries: 12																															
	1	2015	AF	4	4	0																							0		
	1	2016	AF	6	5	1	-	-	-	-	-	-	-	-	-	-	-	-	1										0		
	1	2017	AF	4	1	3	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1					0		
	1	2018	AF	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1					0		
	1	2019	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
✓	1	2019	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3	P-1 Line Item Number / Title: C130JH / HC-130J	Item Number / Title [DODIC]: HC-130J
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P

Airframe/Engines/Accessories																														
Prior Years Deliveries: 12																														
1	2015	AF		4	4	0																						0		
1	2016	AF		6	6	0																						0		
1	2017	AF		4	4	0																						0		
1	2018	AF		2	2	0																						0		
1	2019	AF		1	0	1	-	-	-	-	-	1																0		
✓ 1	2019	AF		1	0	1	-	-	-	-	-	1																0		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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Exhibit P-21, Production Schedule: PB 2019 Air Force	Date: February 2018
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3	P-1 Line Item Number / Title: C130JH / HC-130J	Item Number / Title [DODIC]: HC-130J
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Lockheed Martin - Marietta GA	12	24	36	0	0	0	0	0	0	12	30	42

Remarks:
 The C-130J production line produces 24 aircraft per year through 2019. This includes all USG, FMS, and commercial variants. Production rate will drop to 16 aircraft per year in approximately 2020. What appear to be gaps in production are filled by other types of C-130Js. The C-130J P-21, Line Item P-4, depicts the complete C-130J production line schedule.

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

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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

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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Gross/Weapon System Cost (<i>\$ in Millions</i>)	207.877	20.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	227.877
Net Procurement (P-1) (<i>\$ in Millions</i>)	207.877	20.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	227.877
Total Obligation Authority (<i>\$ in Millions</i>)	207.877	20.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	227.877

Description:

HC-130 recapitalization will replace and augment the aging USAF fleets 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 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 HC-130 Recap program details are reported as part of the HC/MC Recap program. Eight HC-130Js were procured under the combined HC/MC-130 Recap program.

Advance procurement items are limited to components whose long lead times require purchase early in order to reduce the overall procurement lead time of the major end item. These long lead items include structural components, engine mounts, engine components, flap shafts, and generators.

Funding for this exhibit is contained in PE 0207224F.

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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

Program Elements for Code B Items: N/A **Other Related Program Elements:** 0207230F, 0207237F, 0401132F

Line Item MDAP/MAIS Code: 257

Exhibits Schedule				Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	HC-130J			22 / 207.877	4 / 20.000	2 / 0.000	1 / 0.000	1 / -	2 / 0.000
P-40	Total Gross/Weapon System Cost			22 / 207.877	4 / 20.000	2 / 0.000	1 / 0.000	1 / -	2 / 0.000

*Title represents the P-10 Title for Advance Procurement.

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

Justification:
There is no advance procurement funding in the FY19 budget for HC-130J aircraft.

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Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2019 Air Force					Date: February 2018		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3			P-1 Line Item Number / Title: C130JH / HC-130J			P-5 Number / Title: HC-130J	
First System (2019) Award Date: December 2017		First System (2019) Completion Date: December 2018			Interval Between Systems: 12 Months		
HC-130J		Production Leadtime <i>(Months)</i>	Prior Years <i>(Each)</i>	FY 2017 <i>(Each)</i>	FY 2018 <i>(Each)</i>	FY 2019 <i>(Each)</i>	
Quantity		12	22	4	2	2	
Cost Elements		When Required <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2017 <i>(\$ M)</i>	FY 2018 <i>(\$ M)</i>	FY 2019 <i>(\$ M)</i>	
CFE							
Airframe/Engines/Accessories: HC-130J Airframe Equipment		12	207.877	20.000	0.000	-	
<i>Total: CFE</i>			207.877	20.000	0.000	-	
EOQ							
Airframe/Engines/Accessories: HC-130J Airframe Equipment ^(†)		12	0.000	0.000	0.000	0.000	
<i>Total: EOQ</i>			0.000	0.000	0.000	0.000	
Total Advance Procurement/Obligation Authority			207.877	20.000	0.000	0.000	

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Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2019 Air Force						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3			P-1 Line Item Number / Title: C130JH / HC-130J			P-5 Number / Title: HC-130J	
FY 2019							
Cost Elements	QPA (Each)	Production Leadtime (Months)	Unit Cost (\$ M)	Contract Forecast Date	2019 Qty (Each)	For FY	Total Cost Request (\$ M)
CFE							
Airframe/Engines/Accessories: HC-130J Airframe Equipment	-						-
<i>Total: CFE</i>							-
EOQ							
Airframe/Engines/Accessories: HC-130J Airframe Equipment ^(t)	-	0	0.000	Sep 2019	0		0.000
<i>Total: EOQ</i>							0.000
Total Advance Procurement/Obligation Authority							0.000

Description:

HC-130 recapitalization will replace and augment the aging USAF fleets 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 new 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. FY08-10 HC-130 Recap program details are reported as part of the HC/MC Recap program.

Advance procurement items are limited to components whose long-lead times require purchase early in order to reduce the overall procurement lead-time of the major end item. These long lead items include structural components, engine mounts, engine components, flap shafts, and generators.

Funding for this exhibit contained in PE 0207224F.

^(t) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	34	6	5	6	-	6	13	4	3	2	-	73
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,148.203	579.358	453.373	800.201	0.000	800.201	1,595.807	461.075	278.324	222.466	50.000	7,588.807
Less PY Advance Procurement (<i>\$ in Millions</i>)	308.122	80.000	74.000	30.000	-	30.000	182.000	36.000	32.000	28.360	-	770.482
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,840.081	499.358	379.373	770.201	0.000	770.201	1,413.807	425.075	246.324	194.106	50.000	6,818.325
Plus CY Advance Procurement (<i>\$ in Millions</i>)	412.122	50.000	30.000	218.000	-	218.000	20.000	20.000	20.360	0.000	-	770.482
Total Obligation Authority (<i>\$ in Millions</i>)	3,252.203	549.358	409.373	988.201	0.000	988.201	1,433.807	445.075	266.684	194.106	50.000	7,588.807

(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>)	73.578	79.937	79.331	180.418	-	180.418	169.429	74.621	67.584	97.235	-	90.047
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	92.594	96.560	90.675	133.367	-	133.367	122.754	115.269	92.775	111.233	-	103.956

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.

This funding request incorporates a Multiyear Procurement (MYP) for FY19 thru FY23. In support of the FY19 MYP, \$88M of Economic Order Quantity (EOQ) funding is included in the FY19 request.

Advance procurement items are limited to components whos long-lead items require early purchase in order to reduce the overall procurement lead-time of the major end item. These long lead items include structural components, engine mounts, engine components, flap shafts, and generators.

Program funding includes Depot Activation costs, Diminishing Manufacturing Sources, and allows for corrections of production deficiencies. This funding request will support potential DMS and obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity.

Funding for this exhibit is contained in PE 0207230F.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	MC-130J	P-5a, P-21	A		34 / 3,148.203	6 / 579.358	5 / 453.373	6 / 800.201	- / 0.000	6 / 800.201
P-40	Total Gross/Weapon System Cost				34 / 3,148.203	6 / 579.358	5 / 453.373	6 / 800.201	- / 0.000	6 / 800.201

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

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

Justification:

The FY 2019 budget supports the production of 6 MC-130Js and associated support requirements.

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3	P-1 Line Item Number / Title: C130JM / MC-130J	Item Number / Title [DODIC]: MC-130J

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	34	6	5	6	-	6
Gross/Weapon System Cost (\$ in Millions)	3,148.203	579.358	453.373	800.201	0.000	800.201
Less PY Advance Procurement (\$ in Millions)	308.122	80.000	74.000	30.000	-	30.000
Net Procurement (P-1) (\$ in Millions)	2,840.081	499.358	379.373	770.201	0.000	770.201
Plus CY Advance Procurement (\$ in Millions)	412.122	50.000	30.000	218.000	-	218.000
Total Obligation Authority (\$ in Millions)	3,252.203	549.358	409.373	988.201	0.000	988.201

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	92.594	96.560	90.675	133.367	-	133.367

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Flyaway - Flyaway End Item Cost																		
Recurring Cost																		
Airframe/Engines/Accessories ^(†)	69.150	34	2,351.103	73.654	6	441.924	76.600	5	383.001	85.109	6	510.654	-	-	-	85.109	6	510.654
Government Furnished Equipment (GFE)	-	-	90.333	-	-	18.498	-	-	13.654	-	-	11.400	-	-	-	-	-	11.400
LAIRCM Group B	-	-	60.231	-	-	19.200	-	-	0.000	-	-	19.200	-	-	-	-	-	19.200
<i>Subtotal: Recurring Cost</i>	-	-	2,501.667	-	-	479.622	-	-	396.655	-	-	541.254	-	-	-	-	-	541.254
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	2,501.667	-	-	479.622	-	-	396.655	-	-	541.254	-	-	-	-	-	541.254
Support - Support End Item Cost																		
Airframe Peculiar Ground Support Equipment (PGSE)	-	-	20.342	-	-	7.759	-	-	3.225	-	-	3.600	-	-	-	-	-	3.600
Peculiar Training Equipment	-	-	245.345	-	-	24.100	-	-	7.329	-	-	67.167	-	-	-	-	-	67.167
Publications/Technical Data	-	-	15.471	-	-	4.000	-	-	4.000	-	-	4.120	-	-	-	-	-	4.120
Diminishing Manufacturing Sources	-	-	28.971	-	-	9.000	-	-	7.500	-	-	9.000	-	-	-	-	-	9.000
Interim Contractor Support (ICS)	-	-	37.613	-	-	5.000	-	-	1.000	-	-	0.000	-	-	-	-	-	0.000
Interim Supply Support (ISS)	-	-	219.961	-	-	44.137	-	-	27.769	-	-	168.038	-	-	-	-	-	168.038

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3	P-1 Line Item Number / Title: C130JM / MC-130J	Item Number / Title [DODIC]: MC-130J
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Post Delivery Support	-	-	12.141	-	-	3.000	-	-	3.000	-	-	3.090	-	-	-	-	-	3.090
PMA Contractor Services	-	-	8.579	-	-	0.950	-	-	0.959	-	-	1.938	-	-	-	-	-	1.938
PMA Government Services	-	-	0.629	-	-	0.339	-	-	0.367	-	-	0.378	-	-	-	-	-	0.378
Other Government Costs	-	-	5.984	-	-	1.451	-	-	1.569	-	-	1.616	-	-	-	-	-	1.616
Withhold	-	-	51.500	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>	-	-	646.536	-	-	99.736	-	-	56.718	-	-	258.947	-	-	-	-	-	258.947
Gross/Weapon System Cost	92.594	34	3,148.203	96.560	6	579.358	90.675	5	453.373	133.367	6	800.201	-	-	0.000	133.367	6	800.201

Remarks:

The MC-130J, HC-130J, and AC-130J are managed as a common platform and PMA costs are shared. This funding request will support Depot Activation costs, as well as potential DMS and obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity.

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3	P-1 Line Item Number / Title: C130JM / MC-130J	Item Number / Title [DODIC]: MC-130J
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Airframe/Engines/Accessories ^(†)		2015	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2015	Jan 2017	3	70.453	Y		Oct 2012
Airframe/Engines/Accessories ^(†)		2016	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Mar 2016	Nov 2017	8	71.160	Y		Oct 2012
Airframe/Engines/Accessories ^(†)		2017	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2016	Apr 2019	6	73.654	Y		Oct 2012
Airframe/Engines/Accessories ^(†)		2018	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2017	Oct 2019	5	76.600	Y		Oct 2012
Airframe/Engines/Accessories ^(†)		2019	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2018	Oct 2021	6	85.109	Y		Mar 2018
Advance Procurement												
Airframe/Engines/Accessories: MC-130J Airframe Equipment		2017	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2016	Apr 2019	5	10.000	Y		Oct 2012
Airframe/Engines/Accessories: MC-130J Airframe Equipment		2018	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2017	Oct 2019	6	5.000	Y		Oct 2012
Airframe/Engines/Accessories: MC-130J Airframe Equipment		2019	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2018	Oct 2021	13	10.000	Y		Mar 2018
Airframe/Engines/Accessories: MC-130J Economic Order Quantity Items		2017	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2016	Apr 2019	5	0.000	Y		Oct 2012
Airframe/Engines/Accessories: MC-130J Economic Order Quantity Items		2018	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2017	Oct 2019	6	0.000	Y		Oct 2012
Airframe/Engines/Accessories: MC-130J Economic Order Quantity Items		2019	Lockheed Martin / Marietta GA	SS / FPIF	WPAFB, OH	Dec 2018	Oct 2021	22	4.000	Y		Mar 2018

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3 **P-1 Line Item Number / Title:** C130JM / MC-130J **Item Number / Title [DODIC]:** MC-130J

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016													Fiscal Year 2017													BALANCE										
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017																						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P												
Airframe/Engines/Accessories																																										
Prior Years Deliveries: 23																																										
1		2015	AF	3	0	3				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	
1		2015	CG (‡)	1	0	1				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
1		2015	FMS (‡)	5	0	5				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5		
1		2015	Total	9	0	9				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	
1		2016	AF	8	0	8																																		8		
1		2016	CG (‡)	1	0	1																																			1	
1		2016	MC (‡)	2	0	2																																			2	
1		2016	OTH (‡)	20	0	20																																			20	
1		2016	Total	31	0	31																																			31	
1		2017	AF	6	0	6																																			6	
1		2017	CG (‡)	1	0	1																																				1
1		2017	MC (‡)	2	0	2																																				2
1		2017	OTH (‡)	9	0	9																																				9
1		2017	Total	18	0	18																																				18
1		2018	AF	5	0	5																																				5
1		2018	CG (‡)	1	0	1																																				1
1		2018	MC (‡)	2	0	2																																				2
1		2018	OTH (‡)	2	0	2																																				2
1		2018	Total	10	0	10																																				10
1		2019	AF	6	0	6																																				6
1		2019	MC (‡)	2	0	2																																				2
1		2019	OTH (‡)	1	0	1																																				1
1		2019	Total	9	0	9																																				9
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P												

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3 **P-1 Line Item Number / Title:** C130JM / MC-130J **Item Number / Title [DODIC]:** MC-130J

Cost Elements <i>(Units in Each)</i>				Fiscal Year 2018														Fiscal Year 2019														BALANCE			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018														Calendar Year 2019														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Airframe/Engines/Accessories																																			
Prior Years Deliveries: 23																																			
1		2015	AF	3	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
1		2015	CG (‡)	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	0			
1		2015	FMS (‡)	5	0	5	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2			
1		2015	Total	9	2	7	-	1	-	-	-	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	2			
1		2016	AF	8	0	8	-	1	1	1	-	1	1	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	0			
1		2016	CG (‡)	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	0			
1		2016	MC (‡)	2	0	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	0			
1		2016	OTH (‡)	20	0	20	1	1	1	1	2	1	-	-	1	1	1	2	2	-	1	1	-	-	-	-	-	-	1	-	-	3			
1		2016	Total	31	0	31	1	2	2	2	2	1	1	2	2	1	2	2	-	2	1	1	-	-	1	-	1	-	-	3					
1		2017	AF	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1			
1		2017	CG (‡)	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
1		2017	MC (‡)	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1			
1		2017	OTH (‡)	9	0	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	6			
1		2017	Total	18	0	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	1	-	2	1	9			
1		2018	AF	5	0	5			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5			
1		2018	CG (‡)	1	0	1			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
1		2018	MC (‡)	2	0	2			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2			
1		2018	OTH (‡)	2	0	2			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2			
1		2018	Total	10	0	10			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10			
1		2019	AF	6	0	6																										6			
1		2019	MC (‡)	2	0	2																										2			
1		2019	OTH (‡)	1	0	1																										1			
1		2019	Total	9	0	9																										9			
									O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3 **P-1 Line Item Number / Title:** C130JM / MC-130J **Item Number / Title [DODIC]:** MC-130J

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2020													Fiscal Year 2021													BALANCE		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020													Calendar Year 2021													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
Airframe/Engines/Accessories																																	
Prior Years Deliveries: 23																																	
1	2015	AF		3	3	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
1	2015	CG (‡)		1	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
1	2015	FMS (‡)		5	3	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
1	2015	Total		9	7	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
1	2016	AF		8	8	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
1	2016	CG (‡)		1	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
1	2016	MC (‡)		2	2	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
1	2016	OTH (‡)		20	17	3	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	0				
1	2016	Total		31	28	3	-	1	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	0				
1	2017	AF		6	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	0				
1	2017	CG (‡)		1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	0				
1	2017	MC (‡)		2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	0				
1	2017	OTH (‡)		9	3	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	-	-	0				
1	2017	Total		18	9	9	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	2	-	-	2	0				
1	2018	AF		5	0	5	1	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
1	2018	CG (‡)		1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	0				
1	2018	MC (‡)		2	0	2	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
1	2018	OTH (‡)		2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	0				
1	2018	Total		10	0	10	1	1	1	-	1	2	-	-	1	-	-	-	-	-	-	1	-	1	1	-	-	-	0				
1	2019	AF		6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6				
1	2019	MC (‡)		2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2				
1	2019	OTH (‡)		1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1				
1	2019	Total		9	0	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3 **P-1 Line Item Number / Title:** C130JM / MC-130J **Item Number / Title [DODIC]:** MC-130J

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Airframe/Engines/Accessories																																			
Prior Years Deliveries: 23																																			
1	2015	AF		3	3	0																											0		
1	2015	CG (+)		1	1	0																											0		
1	2015	FMS (+)		5	5	0																											0		
1	2015	Total		9	9	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
1	2016	AF		8	8	0																											0		
1	2016	CG (+)		1	1	0																											0		
1	2016	MC (+)		2	2	0																											0		
1	2016	OTH (+)		20	20	0																											0		
1	2016	Total		31	31	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
1	2017	AF		6	6	0																											0		
1	2017	CG (+)		1	1	0																											0		
1	2017	MC (+)		2	2	0																											0		
1	2017	OTH (+)		9	9	0																											0		
1	2017	Total		18	18	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
1	2018	AF		5	5	0																											0		
1	2018	CG (+)		1	1	0																											0		
1	2018	MC (+)		2	2	0																											0		
1	2018	OTH (+)		2	2	0																											0		
1	2018	Total		10	10	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
1	2019	AF		6	0	6	1	-	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
1	2019	MC (+)		2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	0			
1	2019	OTH (+)		1	0	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
1	2019	Total		9	0	9	1	-	1	-	1	2	1	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	0				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: PB 2019 Air Force	Date: February 2018
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3	P-1 Line Item Number / Title: C130JM / MC-130J	Item Number / Title [DODIC]: MC-130J
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Lockheed Martin - Marietta GA	12	24	36	0	0	0	0	0	0	3	34	37

Remarks:
 The C-130J production line produces 24 aircraft per year through 2019. This includes all USG, FMS, and commercial variants. Production rate will drop to 12 aircraft per year by 2021. What appear to be gaps in production are filled by other types of C-130Js. The MC-130J P-21, Line Item P-9, depicts the complete C-130J production line schedule.

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

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

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

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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

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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Gross/Weapon System Cost (<i>\$ in Millions</i>)	412.122	50.000	30.000	218.000	-	218.000	20.000	20.000	20.360	0.000	-	770.482
Net Procurement (P-1) (<i>\$ in Millions</i>)	412.122	50.000	30.000	218.000	-	218.000	20.000	20.000	20.360	0.000	-	770.482
Total Obligation Authority (<i>\$ in Millions</i>)	412.122	50.000	30.000	218.000	-	218.000	20.000	20.000	20.360	0.000	-	770.482

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.

Advance procurement items are limited to components whose long lead times require purchase early in order to reduce the overall procurement lead time of the major end item. These long lead items include structural components, engine mounts, engine components, flap shafts, and generators.

Funding for this exhibit is contained in PE 0207230F.

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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

Program Elements for Code B Items: N/A **Other Related Program Elements:** 0207224F, 0207237F, 0401132F

Line Item MDAP/MAIS Code: 257

Exhibits Schedule				Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	MC-130J			34 / 412.122	6 / 50.000	5 / 30.000	6 / 218.000	- / -	6 / 218.000
P-40	Total Gross/Weapon System Cost			34 / 412.122	6 / 50.000	5 / 30.000	6 / 218.000	- / -	6 / 218.000

*Title represents the P-10 Title for Advance Procurement.

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

Justification:
 The FY 2019 budget supports Multi Year Procurement Economic Order Quantity Items for 21 MC-130J aircraft and advance procurement for 6 FY19 MC-130J aircraft.

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Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2019 Air Force					Date: February 2018		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3			P-1 Line Item Number / Title: C130JM / MC-130J			P-5 Number / Title: MC-130J	
First System (2019) Award Date: December 2016		First System (2019) Completion Date: December 2017			Interval Between Systems: 1 Months		
MC-130J		Production Leadtime <i>(Months)</i>	Prior Years <i>(Each)</i>	FY 2017 <i>(Each)</i>	FY 2018 <i>(Each)</i>	FY 2019 <i>(Each)</i>	
Quantity		12	34	6	5	6	
Cost Elements		When Required <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2017 <i>(\$ M)</i>	FY 2018 <i>(\$ M)</i>	FY 2019 <i>(\$ M)</i>	
CFE							
Airframe/Engines/Accessories: MC-130J Airframe Equipment (†)		12	328.122	50.000	30.000	130.000	
Total: CFE			328.122	50.000	30.000	130.000	
EOQ							
Airframe/Engines/Accessories: MC-130J Economic Order Quantity Items (†)		12	84.000	0.000	0.000	88.000	
Total: EOQ			84.000	0.000	0.000	88.000	
Total Advance Procurement/Obligation Authority			412.122	50.000	30.000	218.000	

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Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2019 Air Force						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3			P-1 Line Item Number / Title: C130JM / MC-130J			P-5 Number / Title: MC-130J	
FY 2019							
Cost Elements	QPA (Each)	Production Leadtime (Months)	Unit Cost (\$ M)	Contract Forecast Date	2019 Qty (Each)	For FY	Total Cost Request (\$ M)
CFE							
Airframe/Engines/Accessories: MC-130J Airframe Equipment ^(t)	-	12	10.000	Dec 2018	13		130.000
<i>Total: CFE</i>							<i>130.000</i>
EOQ							
Airframe/Engines/Accessories: MC-130J Economic Order Quantity Items ^(t)	-	12	4.000	Dec 2018	22		88.000
<i>Total: EOQ</i>							<i>88.000</i>
Total Advance Procurement/Obligation Authority							218.000

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.

Funding for this exhibit is contained in PE 0207230F.

^(t) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 1: Helicopters **P-1 Line Item Number / Title:** H0106O / UH-1N Replacement

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0102110F **Other Related Program Elements:** 0102110F

Line Item MDAP/MAIS Code: 562

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	8	8	8	8	48	80
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2.456	18.337	0.000	0.000	0.000	0.000	380.181	379.700	467.760	476.259	2,386.076	4,110.769
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2.456	18.337	0.000	0.000	0.000	0.000	380.181	379.700	467.760	476.259	2,386.076	4,110.769
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.456	18.337	0.000	0.000	0.000	0.000	380.181	379.700	467.760	476.259	2,386.076	4,110.769
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	16.143	16.593	17.063	17.373	62.244	129.416
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	35.909	36.660	41.810	49.743	42.196	41.730
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	47.523	47.463	58.470	59.532	49.710	51.385

Description:

The UH-1N Replacement program will replace the Air Force fleet of 63 UH-1N aircraft, which have significant capability gaps in the areas of speed, range, endurance, payload capacity, and aircraft self-protection. The Air Force intends to replace these UH-1Ns with modern helicopters that will eliminate these capability gaps. The replacement aircraft will provide vertical airlift and support the requirements of five Air Force major commands and operating agencies: Air Force Global Strike Command (AFGSC), Air Force District of Washington, Air Education and Training Command, Pacific Air Forces, and Air Force Material Command. AFGSC is the Air Force lead command and operational capability requirements sponsor. This program is an element of the Air Force's nuclear enterprise reform initiatives.

This program has associated RDT&E, AF funding in the Budget Year to provide for one-time systems engineering activities for non-developmental item (NDI) integration onto an airworthiness-certified baseline helicopter and associated testing and certifications. FY2019 RDT&E, AF funding also provides for the initiation of live fire test and evaluation activities necessary to assess compliance with aircraft self-protection and survivability requirements. The UH-1N Replacement solution is expected to undergo qualification and operational test and evaluation in FY2020-FY2021 to validate the aircraft's operational performance, effectiveness, and suitability.

Funding for this exhibit contained in PE 0102110F.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 1: Helicopters **P-1 Line Item Number / Title:** H0106O / UH-1N Replacement

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0102110F **Other Related Program Elements:** 0102110F

Line Item MDAP/MAIS Code: 562

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	UH-1N Replacement		B		- / 2.456	- / 18.337	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-40	Total Gross/Weapon System Cost				- / 2.456	- / 18.337	- / 0.000	- / 0.000	- / 0.000	- / 0.000

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

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

Justification:
No Budget Year 2019 funding requested.

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: H0106O / UH-1N Replacement	Item Number / Title [DODIC]: UH-1N Replacement

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2.456	18.337	0.000	0.000	0.000	0.000
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2.456	18.337	0.000	0.000	0.000	0.000
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.456	18.337	0.000	0.000	0.000	0.000

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Support - UH-1N Replacement Cost																		
Production Engineering Support	-	-	-	-	-	18.337	-	-	-	-	-	-	-	-	-	-	-	-
PMA Other Government Costs	-	-	2.456	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<i>Subtotal: Support - UH-1N Replacement Cost</i>	-	-	2.456	-	-	18.337	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost	-	-	2.456	-	-	18.337	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 1: Helicopters **P-1 Line Item Number / Title:** H060WH / Combat Rescue Helicopter

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207229F **Other Related Program Elements:** 0605229F

Line Item MDAP/MAIS Code: 479

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	10	-	10	12	16	13	12	40	103
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	0.000	680.201	0.000	680.201	908.935	1,014.782	876.340	847.399	2,722.200	7,049.857
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	0.000	680.201	0.000	680.201	908.935	1,014.782	876.340	847.399	2,722.200	7,049.857
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	0.000	680.201	0.000	680.201	908.935	1,014.782	876.340	847.399	2,722.200	7,049.857
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	55.935	-	55.935	56.901	49.999	50.824	54.612	54.767	53.872
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	68.020	-	68.020	75.745	63.424	67.411	70.617	68.055	68.445

Description:

The Combat Rescue Helicopter (CRH) program will replace the aging HH-60G. 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 downed aircrew or other isolated personnel in hostile or non-permissive environments.

The CRH will be capable of employing in day or night, adverse weather, and in a variety of threat spectrums from terrorist attacks to chemical, biological, radiological, and nuclear threats. Onboard defensive capabilities will permit the CRH system to operate in an increased threat environment. An in-flight air refueling capability will provide an airborne alert capability and extend its combat mission range. The CRH system may conduct combat search and rescue airborne mission commander duties. The aircraft will be self-supporting to the maximum extent practical. The CRH system may also conduct other collateral missions inherent in its capabilities to conduct Personnel Recovery, such as non-conventional assisted recovery, non-conventional evacuation operations, defense support to civil authorities, civil search and rescue, international aid, emergency aeromedical evacuation, disaster/humanitarian relief, counterdrug activities, support for National Aeronautics and Space Administration flight operations, and insertion/ extraction of combat forces.

The CRH program Milestone B (MS B) Defense Acquisition Board (DAB) occurred in June 2014, and the program office (PO) received approval to enter Engineering and Manufacturing Development (EMD) from the Undersecretary of Defense (Acquisition, Technology and Logistics) (USD(AT&L)). The PO then awarded an EMD contract to Sikorsky Aircraft Company to develop and procure 112 CRH aircraft, training systems and associated support. The program is procuring four EMD aircraft and five System Demonstration Test Article (SDTA) aircraft. During production, the program plans to procure 103 aircraft throughout 8 lots. For low rate initial production (LRIP), Lots 1 and 2 will procure up to 22 aircraft in FY19 & FY20. During full rate production (FRP), Lots 3 through 8 will procure remaining aircraft through 2026. Initial aircraft sustainment efforts will be provided by the contractor. CRH funding also supports Training Systems, Support Equipment, Initial Spares, Operation Site Activation, Depot Stand-Up, Direct Mission Support, Program Management Administration (PMA) activities, Other Government Costs (OGC), various studies and analysis, future CRH planning activities, and potential Diminishing Manufacturing Sources (DMS) and obsolescence planning activities.

The CRH program is acquiring a complete Training system to include motion and non-motion simulators, and other aircrew and maintenance part task training devices. It also includes Type I training, aircrew and maintenance courseware, spares, Interim Contractor Support (ICS), and support equipment.

Initial spares will be procured with Aircraft Procurement, Air Force (APAF), Aircraft Weapon System funding in FY19. Spare engines are included within the Initial Spares.

CRH is moving towards a MS C decision in 3QFY19 with FRP Decision in FY21. The CRH program conducted Critical Design Review in May 2017.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 1: Helicopters		P-1 Line Item Number / Title: H060WH / Combat Rescue Helicopter
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0207229F	Other Related Program Elements: 0605229F
Line Item MDAP/MAIS Code: 479		
Funding for this exhibit is contained in PE 0207229F. 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.		

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 1: Helicopters **P-1 Line Item Number / Title:** H060WH / Combat Rescue Helicopter

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207229F **Other Related Program Elements:** 0605229F

Line Item MDAP/MAIS Code: 479

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Combat Rescue Helicopter	P-5a, P-21	B		- / -	- / 0.000	- / 0.000	10 / 680.201	- / 0.000	10 / 680.201
P-40	Total Gross/Weapon System Cost				- / -	- / 0.000	- / 0.000	10 / 680.201	- / 0.000	10 / 680.201

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

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

Justification:
 This program is a new start.

The program will procure the first LRIP lot of 10 aircraft along with associated initial spares, support equipment, depot-stand up activity, site activation support, training, and other program management administration activities in FY19.

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: H060WH / Combat Rescue Helicopter	Item Number / Title [DODIC]: Combat Rescue Helicopter

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	-	10	-	10
Gross/Weapon System Cost (\$ in Millions)	-	0.000	0.000	680.201	0.000	680.201
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.000	0.000	680.201	0.000	680.201
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	0.000	0.000	680.201	0.000	680.201

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

Initial Spares (\$ in Millions)	-	-	-	0.000	-	0.000
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	68.020	-	68.020

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Flyaway - Combat Rescue Helicopter Cost																		
Recurring Cost																		
Air Frame ^(t)	-	-	-	-	-	0.000	-	-	0.000	55.935	10	559.353	-	-	0.000	55.935	10	559.353
Other Govt. Furnished Equipment	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	559.353	-	-	0.000	-	-	559.353
<i>Subtotal: Flyaway - Combat Rescue Helicopter Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	559.353	-	-	0.000	-	-	559.353
Support - Combat Rescue Helicopter Cost																		
Initial Spares	-	-	-	-	-	-	-	-	-	-	-	64.265	-	-	-	-	-	64.265
Support Equipment	-	-	-	-	-	-	-	-	-	-	-	15.638	-	-	-	-	-	15.638
Site Activation Support	-	-	-	-	-	-	-	-	-	-	-	19.001	-	-	-	-	-	19.001
Depot- Stand Up	-	-	-	-	-	-	-	-	-	-	-	1.843	-	-	-	-	-	1.843
PMA (A&AS)	-	-	-	-	-	-	-	-	-	-	-	6.878	-	-	-	-	-	6.878
PMA Other Govt. Costs (OGCs)	-	-	-	-	-	-	-	-	-	-	-	1.301	-	-	-	-	-	1.301
Training	-	-	-	-	-	-	-	-	-	-	-	11.922	-	-	-	-	-	11.922
<i>Subtotal: Support - Combat Rescue Helicopter Cost</i>	-	-	-	-	-	-	-	-	-	-	-	120.848	-	-	-	-	-	120.848
Gross/Weapon System Cost	-	-	-	-	-	0.000	-	-	0.000	68.020	10	680.201	-	-	0.000	68.020	10	680.201

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force							Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1			P-1 Line Item Number / Title: H060WH / Combat Rescue Helicopter				Item Number / Title [DODIC]: Combat Rescue Helicopter					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Air Frame ^(†)		2019	Sikorsky Aircraft / Stratford, CT	C / FPIF	AFLCMC/WI - ISR & SOF	Aug 2019	Jan 2021	10	55.935	N	Jun 2019	

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: H060WH / Combat Rescue Helicopter	Item Number / Title [DODIC]: Combat Rescue Helicopter
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2019												Fiscal Year 2020												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019												Calendar Year 2020												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Air Frame																															
	1	2019	AF	10	0	10																								10	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1 **P-1 Line Item Number / Title:** H060WH / Combat Rescue Helicopter **Item Number / Title [DODIC]:** Combat Rescue Helicopter

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2021													Fiscal Year 2022													BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021													Calendar Year 2022													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
Air Frame																																	
	1	2019	AF	10	0	10	-	-	-	1	-	1	-	1	-	1	-	1	1	2	2								0				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2019 Air Force	Date: February 2018
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: H060WH / Combat Rescue Helicopter	Item Number / Title [DODIC]: Combat Rescue Helicopter
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Sikorsky Aircraft - Stratford, CT	6	8	10	0	11	17	28	0	0	0	0

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

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

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 1: Helicopters **P-1 Line Item Number / Title:** V022A0 / CV-22 (MYP)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0401318F

Line Item MDAP/MAIS Code: 212

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	51	1	-	-	-	-	-	-	-	-	-	52
Gross/Weapon System Cost (<i>\$ in Millions</i>)	4,318.234	97.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4,415.234
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	4,318.234	97.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4,415.234
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4,318.234	97.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4,415.234

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

Initial Spares (<i>\$ in Millions</i>)	692.867	-	-	-	-	-	-	-	-	-	-	692.867
Flyaway Unit Cost (<i>\$ in Millions</i>)	68.938	-	-	-	-	-	-	-	-	-	-	70.825
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	84.671	97.000	-	-	-	-	-	-	-	-	-	84.908

Description:

The CV-22 is the Air Force Special Operations Forces (SOF) variant of the joint multi-mission V-22 tilt rotor aircraft. The CV-22 provides long-range, high-speed infiltration, exfiltration, and resupply to Special Forces teams in hostile, denied, and politically sensitive areas. The Navy is the lead service for the Joint V-22 program. The Joint Program Manager is responsible for managing all variants of the V-22. Department of the Navy (DoN) funds the development of the MV-22 and CMV-22. The Air Force funds the service common portion of the CV-22 while United States Special Operations Command (USSOCOM) funds the development and procurement of SOF peculiar systems.

Funding for this exhibit contained in PE 0401318F.

Flyaway unit cost includes recurring and non-recurring flyaway costs.

Any residual funding will result in addressing Diminishing Manufacturing Sources (DMS) issues.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 1: Helicopters **P-1 Line Item Number / Title:** V022A0 / CV-22 (MYP)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0401318F

Line Item MDAP/MAIS Code: 212

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	CV-22 (MYP)	P-5a, P-21	A		51 / 4,318.234	1 / 97.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-40	Total Gross/Weapon System Cost				51 / 4,318.234	1 / 97.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000

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

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

Justification:

No FY2019 funding requested.

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: V022A0 / CV-22 (MYP)	Item Number / Title [DODIC]: CV-22 (MYP)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	51	1	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4,318.234	97.000	0.000	0.000	0.000	0.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	4,318.234	97.000	0.000	0.000	0.000	0.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	4,318.234	97.000	0.000	0.000	0.000	0.000

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

Initial Spares (\$ in Millions)	692.867	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	84.671	97.000	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)

Flyaway - Flyaway End Item Cost

Recurring Cost																		
Air Frame CFE ^(†)	58.333	51	2,974.977	84.435	1	84.435	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Engines/Accessories	2.446	86	210.354	-	-	4.954	-	-	-	-	-	-	-	-	-	-	-	-
GFE	-	-	92.457	-	-	4.166	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Change Orders (ECO)	-	-	75.862	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>3,353.650</i>	-	-	<i>93.555</i>	-	-	-	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.000</i>
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	<i>3,353.650</i>	-	-	<i>93.555</i>	-	-	-	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.000</i>

Flyaway - CV-22 Cost

Non Recurring Cost																		
Nonrecurring Tooling Cost	-	-	96.560	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ancillary Equipment	-	-	28.760	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Parts Obsolescence	-	-	36.871	-	-	2.695	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>162.191</i>	-	-	<i>2.695</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway - CV-22 Cost</i>	-	-	<i>162.191</i>	-	-	<i>2.695</i>	-	-	-	-	-	-	-	-	-	-	-	-

Support - Support End Item Cost

Airframe PGSE	-	-	60.714	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engine PGSE	-	-	6.312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2019 Air Force												Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1						P-1 Line Item Number / Title: V022A0 / CV-22 (MYP)						Item Number / Title [DODIC]: CV-22 (MYP)					
ID Code (A=Service Ready, B=Not Service Ready) : A												MDAP/MAIS Code:					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Avionics PGSE	-	-	31.145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peculiar Training Equipment	-	-	212.206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Publications/Technical Data	-	-	54.852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other ILS	-	-	292.888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Engr Support	-	-	95.632	-	-	0.250	-	-	-	-	-	-	-	-	-	-	-	-
Common SE	-	-	48.644	-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>	-	-	802.393	-	-	0.750	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	84.671	51	4,318.234	97.000	1	97.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Remarks:

Some aircraft components purchased with the FY2016 Congressional add (\$64.5M) will be incorporated into the FY2017 added aircraft.

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: V022A0 / CV-22 (MYP)	Item Number / Title [DODIC]: CV-22 (MYP)
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Air Frame CFE ^(†)		2016	Bell Boeing / Ridley Park PA, Ft. Worth TX and Amarillo TX	SS / FPIF	NAVAIR	Jun 2016	Feb 2020	1	63.243	Y		Feb 2011
Air Frame CFE ^(†)		2017	Bell Boeing / Ridley Park PA, Ft. Worth TX and Amarillo TX	SS / FPIF	NAVAIR	Dec 2017	Dec 2022	1	84.435	Y		Feb 2011

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1 **P-1 Line Item Number / Title:** V022A0 / CV-22 (MYP) **Item Number / Title [DODIC]:** CV-22 (MYP)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Air Frame CFE																															
Prior Years Deliveries: 50																															
1		2016	AF	1	0	1																									
1		2016	MC (†)	19	0	19																									
1		2016	Total	20	0	20																									
1		2017	AF	1	0	1																									
1		2017	MC (†)	19	0	19																									
1		2017	Total	20	0	20																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1 **P-1 Line Item Number / Title:** V022A0 / CV-22 (MYP) **Item Number / Title [DODIC]:** CV-22 (MYP)

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2018													Fiscal Year 2019													BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018													Calendar Year 2019													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
Air Frame CFE																																	
Prior Years Deliveries: 50																																	
1	2016	AF		1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
1	2016	MC (†)		19	0	19	-	-	1	2	2	2	1	2	2	2	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1	2016	Total		20	0	20	-	-	1	2	2	2	1	2	2	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
1	2017	AF		1	0	1			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
1	2017	MC (†)		19	0	19			A	-	-	-	-	-	-	-	-	-	-	2	1	2	1	2	1	2	1	2	1	2	1	2	
1	2017	Total		20	0	20			-	-	-	-	-	-	-	-	-	-	-	2	1	2	1	2	1	2	1	2	1	2	1	2	3
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1 **P-1 Line Item Number / Title:** V022A0 / CV-22 (MYP) **Item Number / Title [DODIC]:** CV-22 (MYP)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2020														Fiscal Year 2021														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020														Calendar Year 2021														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Air Frame CFE																																			
Prior Years Deliveries: 50																																			
1	2016	AF		1	0	1	-	-	-	-	-	1																							0
1	2016	MC (†)		19	19	0	-	-	-	-	-																								0
1	2016	Total		20	19	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
1	2017	AF		1	0	1	-	-	-	-	-																							1	
1	2017	MC (†)		19	17	2	2	-	-	-	-																							0	
1	2017	Total		20	17	3	2	-	-	-	-																							1	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1 **P-1 Line Item Number / Title:** V022A0 / CV-22 (MYP) **Item Number / Title [DODIC]:** CV-22 (MYP)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Air Frame CFE																															
Prior Years Deliveries: 50																															
1		2016	AF	1	1	0																							0		
1		2016	MC (‡)	19	19	0																							0		
1		2016	Total	20	20	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
1		2017	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1							0			
1		2017	MC (‡)	19	19	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							0			
1		2017	Total	20	19	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	0		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: V022A0 / CV-22 (MYP)	Item Number / Title [DODIC]: CV-22 (MYP)
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Bell Boeing - Ridley Park PA, Ft. Worth TX and Amarillo TX	6	10	44	0	0	0	0	0	0	15	60	75

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule. "A" in the Delivery Schedule indicates the Contract Award Date.

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

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: CAPAC0 / Civil Air Patrol A/C
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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: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	6	6	4	-	4	4	4	4	4	-	32
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	10.337	2.695	2.719	0.000	2.719	2.767	2.815	2.871	2.923	-	27.127
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	10.337	2.695	2.719	0.000	2.719	2.767	2.815	2.871	2.923	-	27.127
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	10.337	2.695	2.719	0.000	2.719	2.767	2.815	2.871	2.923	-	27.127

(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>)	-	1.723	0.449	0.457	-	0.457	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	1.723	0.449	0.680	-	0.680	0.692	0.704	0.718	0.731	-	0.848

Description:

The Civil Air Patrol (CAP) is a Congressionally chartered non-profit corporation that serves as the Auxiliary of the Air Force. CAP uses federally provided resources to provide assistance requested by the DoD, federal, state or local government authorities and non-governmental organizations (NGOs) to perform emergency or non-emergency public purpose missions and activities.

Pursuant to US Code (Title 10 & 36) the purpose of CAP Corporation is to encourage and aid citizens of the US in contributing their efforts, services, and resources in developing aviation and in maintaining air supremacy; and to encourage and develop, by example, the voluntary contribution of private citizens to the public welfare.

CAP provides aviation education and training, as well as encourages and fosters civil aviation in local communities. CAP also provides an organization to assist in meeting local emergencies and assists the Dept. of the Air Force in non-combat program/missions.

This program has no initial spares cost. The weapon system cost, flyaway unit cost, and weapon system unit cost do not apply.

Funding for this exhibit contained in PE 0901223F.

Justification:

FY19 funding of \$2.719M the procurement of 4 Cessna (four or six-seat) fixed-wing single engine aircraft equipped with satellite digital imaging systems, automatic direction finder, emergency locator transmitter, FM radio, camera port window, ground power unit, and appropriate training material. Unit cost reflects purchase price adjusted for purchase of 6 aircraft.

Aircraft type and quantities (typically, but not limited to Cessna-172, Cessna-182, and Cessna-206) procured during execution are a continuing requirement but may change based on critical equipment needed to support current mission requirements, market availability, and budget changes due to mark-ups, fall-out funds availability, or cost fluctuations.

AF central procurement processes are not applicable.

CAP's procurement processes/standards are described in 2 CFR 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards; and Department of Defense Grant & Agreement Regulations.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: 10TRGT / Target Drones
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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: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	33	42	48	-	48	44	44	46	46	-	303
Gross/Weapon System Cost (<i>\$ in Millions</i>)	131.879	114.656	109.841	139.053	0.000	139.053	130.837	133.454	136.127	138.600	-	1,034.447
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	131.879	114.656	109.841	139.053	0.000	139.053	130.837	133.454	136.127	138.600	-	1,034.447
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	131.879	114.656	109.841	139.053	0.000	139.053	130.837	133.454	136.127	138.600	-	1,034.447

(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>)	-	3.474	2.615	2.897	-	2.897	2.974	3.033	2.959	3.013	-	3.414

Description:

Full-scale and subscale Aerial Targets assure warfighters weapon systems will perform effectively against real-world enemy fighters and cruise missiles. Aerial Targets provide adherence to Public Law Title 10, Section 2366 "Live Fire/Lethality" developmental/operational test requirements. Target drones are used to validate operational missile/weapon system effectiveness and fighter Operational Flight Program (OFP) updates. Targets are essential for development testing/operational testing for all air-to-air (e.g., AMRAAM, AIM-9x, etc.) and surface-to-air missiles (e.g. PAC 3, FIM 92 Stinger), and for the F-22A, F-35, F-18, F-16, and F-15 aircraft. The objective is to provide threat realistic targets for missile testing to enable the development of offensive counter-air systems (air-to-air and surface-to-air) capable of defeating changing enemy airborne threats. This program provides funds for the procurement of subscale aerial targets (BQM-167A Air Force Subscale Aerial Target - AFSAT), full-scale aerial targets (QF-16), Target Control System (TCS), and includes procurement of associated mission and support equipment. Funding supports associated systems such as target control and scoring systems essential to aerial target operations. The TCS program ensures software interoperability among service ranges, the encryption of range/aircraft data links, and associated communication devices. Aerial targets and associated systems are required for Congressionally mandated testing and Air Force developmental and operational testing. Funding also provides for capabilities to meet current and future threats identified by OSD. Funds may be used to address emerging and short-notice Diminishing Manufacturing and Material Shortage (DMSMS) issues.

Funding for this exhibit contained in PE 0305116F.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
10TRGT / Target Drones

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

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Target Drones		A		- / 2.124	- / 4.336	- / 2.481	- / 2.499	- / -	- / 2.499
P-5	AFSAT	P-5a, P-21	A		- / 31.861	20 / 22.520	30 / 32.929	29 / 31.402	- / -	29 / 31.402
P-5	QF-16	P-5a, P-21	A		- / 97.894	13 / 87.800	12 / 74.431	19 / 105.152	- / -	19 / 105.152
P-40	Total Gross/Weapon System Cost				- / 131.879	33 / 114.656	42 / 109.841	48 / 139.053	- / 0.000	48 / 139.053

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

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

Justification:
 FY19 AFSAT funds will be used to procure 29 USAF production assets, support equipment, sustaining, production and diminishing manufacturing engineering support.
 FY19 QF-16 funds will be used to procure 19 USAF production assets, support equipment, sustaining, production and diminishing manufacturing engineering support.
 FY19 TCS funds will be used to procure 8 USAF Data Link System Replacement (DLS-r) units to replace obsolete/unsupportable existing DLS units at Tyndall AFB, FL.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: 10TRGT / Target Drones	Item Number / Title [DODIC]: Target Drones

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2.124	4.336	2.481	2.499	-	2.499
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2.124	4.336	2.481	2.499	-	2.499
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.124	4.336	2.481	2.499	-	2.499

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>
Hardware - Target Control System Cost																		
Recurring Cost																		
Data Link System - replacement	-	-	2.124	-	-	4.336	0.620	4	2.481	0.312	8	2.499	-	-	-	0.312	8	2.499
<i>Subtotal: Recurring Cost</i>	-	-	2.124	-	-	4.336	-	-	2.481	-	-	2.499	-	-	-	-	-	2.499
<i>Subtotal: Hardware - Target Control System Cost</i>	-	-	2.124	-	-	4.336	-	-	2.481	-	-	2.499	-	-	-	-	-	2.499
Gross/Weapon System Cost	-	-	2.124	-	-	4.336	-	-	2.481	-	-	2.499	-	-	-	-	-	2.499

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: 10TRGT / Target Drones	Item Number / Title [DODIC]: AFSAT

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	20	30	29	-	29
Gross/Weapon System Cost (\$ in Millions)	31.861	22.520	32.929	31.402	-	31.402
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	31.861	22.520	32.929	31.402	-	31.402
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	31.861	22.520	32.929	31.402	-	31.402

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	1.126	1.098	1.083	-	1.083

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Flyaway - AFSAT Cost																		
Recurring Cost																		
BQM-167 Production Article ^(t)	1.240	25	31.000	1.072	20	21.449	1.054	30	31.631	1.017	29	29.486	-	-	-	1.017	29	29.486
Subtotal: Recurring Cost	-	-	31.000	-	-	21.449	-	-	31.631	-	-	29.486	-	-	-	-	-	29.486
Subtotal: Flyaway - AFSAT Cost	-	-	31.000	-	-	21.449	-	-	31.631	-	-	29.486	-	-	-	-	-	29.486
Logistics - AFSAT Cost																		
Recurring Cost																		
Production Support	-	-	0.100	-	-	0.084	-	-	0.097	-	-	0.096	-	-	-	-	-	0.096
Government Support	-	-	0.400	-	-	0.441	-	-	0.450	-	-	0.455	-	-	-	-	-	0.455
Subtotal: Recurring Cost	-	-	0.500	-	-	0.525	-	-	0.547	-	-	0.551	-	-	-	-	-	0.551
Subtotal: Logistics - AFSAT Cost	-	-	0.500	-	-	0.525	-	-	0.547	-	-	0.551	-	-	-	-	-	0.551
Support - AFSAT Cost																		
PMA Contractor Services	-	-	0.300	-	-	0.438	-	-	0.651	-	-	0.802	-	-	-	-	-	0.802
PMA Other Government Costs	-	-	0.061	-	-	0.108	-	-	0.100	-	-	0.563	-	-	-	-	-	0.563
Subtotal: Support - AFSAT Cost	-	-	0.361	-	-	0.546	-	-	0.751	-	-	1.365	-	-	-	-	-	1.365
Gross/Weapon System Cost	-	-	31.861	1.126	20	22.520	1.098	30	32.929	1.083	29	31.402	-	-	-	1.083	29	31.402

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: 10TRGT / Target Drones	Item Number / Title [DODIC]: AFSAT
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
BQM-167 Production Article ^(†)		2017	Composite Engineering Inc. / Sacramento CA	SS / FFP	Eglin AFB	Feb 2017	Dec 2017	20	1.072	Y		May 2013
BQM-167 Production Article ^(†)		2018	Composite Engineering Inc. / Sacramento CA	SS / FFP	Eglin AFB	Jun 2018	May 2019	30	1.054	Y		Aug 2016
BQM-167 Production Article ^(†)		2019	Composite Engineering Inc. / Sacramento CA	SS / FFP	Eglin AFB	Mar 2019	Apr 2020	29	1.017	Y		Aug 2016

^(†) indicates the presence of a P-21

Remarks:

- Contract quantities include only United States Air Force (USAF)
- Specs available due to Pre Priced options in multi year contract
- Program awarded Lots 11-13 production contract (base year plus 2 option years) in December 2014 via sole source contract; FY17 is Lot 13
- Lots 14-16 production contract (base year plus 2 option years) planned award in June 2018 via sole source contract; FY18 will be Lot 14; FY19 will be Lot 15

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** 10TRGT / Target Drones **Item Number / Title [DODIC]:** AFSAT

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2019														Fiscal Year 2020										BALANCE			
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019														Calendar Year 2020												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P		
BQM-167 Production Article																																	
Prior Years Deliveries: 25																																	
1		2017	AF	20	18	2	1	1																					0				
1		2018	AF	30	0	30	-	-	-	-	-	-	-	2	3	3	3	3	3	3	2	3	3	2					0				
1		2019	AF	29	0	29								A	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	3	3	15
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** 10TRGT / Target Drones **Item Number / Title [DODIC]:** AFSAT

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2021												Fiscal Year 2022												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 0	BAL D U E A S O F 1 O C T	Calendar Year 2021												Calendar Year 2022												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
BQM-167 Production Article																															
Prior Years Deliveries: 25																															
1		2017	AF	20	20	0																							0		
1		2018	AF	30	30	0																							0		
1		2019	AF	29	14	15	3	3	3	2	2	2																	0		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: 10TRGT / Target Drones	Item Number / Title [DODIC]: AFSAT
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Composite Engineering Inc. - Sacramento CA	22	30	35	0	0	0	0	0	0	6	13	19

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

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

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: 10TRGT / Target Drones	Item Number / Title [DODIC]: QF-16

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	13	12	19	-	19
Gross/Weapon System Cost (\$ in Millions)	97.894	87.800	74.431	105.152	-	105.152
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	97.894	87.800	74.431	105.152	-	105.152
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	97.894	87.800	74.431	105.152	-	105.152

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	6.754	6.203	5.534	-	5.534

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Flyaway - QF-16 Cost																		
Recurring Cost																		
QF-16 Drone Peculiar Equipment ^(†)	1.165	84	97.894	2.739	13	35.601	1.900	12	22.798	1.902	19	36.147	-	-	-	1.902	19	36.147
<i>Subtotal: Recurring Cost</i>	-	-	97.894	-	-	35.601	-	-	22.798	-	-	36.147	-	-	-	-	-	36.147
Non Recurring Cost																		
Aircraft Vehicle Regeneration	-	-	-	-	-	35.007	-	-	24.630	-	-	38.423	-	-	-	-	-	38.423
Engine Regeneration	-	-	-	-	-	7.622	-	-	15.636	-	-	17.963	-	-	-	-	-	17.963
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	42.629	-	-	40.266	-	-	56.386	-	-	-	-	-	56.386
<i>Subtotal: Flyaway - QF-16 Cost</i>	-	-	97.894	-	-	78.230	-	-	63.064	-	-	92.533	-	-	-	-	-	92.533
Hardware - QF-16 Cost																		
Recurring Cost																		
Storage/Shipment	-	-	-	-	-	0.000	-	-	0.419	-	-	0.419	-	-	-	-	-	0.419
GFP Support	-	-	-	-	-	3.664	-	-	4.035	-	-	4.569	-	-	-	-	-	4.569
Other Support	-	-	-	-	-	3.093	-	-	4.876	-	-	5.230	-	-	-	-	-	5.230
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	6.757	-	-	9.330	-	-	10.218	-	-	-	-	-	10.218
<i>Subtotal: Hardware - QF-16 Cost</i>	-	-	-	-	-	6.757	-	-	9.330	-	-	10.218	-	-	-	-	-	10.218
Logistics - QF-16 Cost																		
Recurring Cost																		

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Exhibit P-5, Cost Analysis: PB 2019 Air Force												Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5						P-1 Line Item Number / Title: 10TRGT / Target Drones						Item Number / Title [DODIC]: QF-16					
ID Code (A=Service Ready, B=Not Service Ready) : A												MDAP/MAIS Code:					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Support Equipment	-	-	-	-	-	1.000	-	-	0.075	-	-	0.075	-	-	-	-	-	0.075
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.000	-	-	0.075	-	-	0.075	-	-	-	-	-	0.075
<i>Subtotal: Logistics - QF-16 Cost</i>	-	-	-	-	-	1.000	-	-	0.075	-	-	0.075	-	-	-	-	-	0.075
Support - QF-16 Cost																		
PMA Contractor Services	-	-	-	-	-	1.400	-	-	1.450	-	-	1.385	-	-	-	-	-	1.385
PMA Other Government Costs	-	-	-	-	-	0.413	-	-	0.512	-	-	0.941	-	-	-	-	-	0.941
<i>Subtotal: Support - QF-16 Cost</i>	-	-	-	-	-	1.813	-	-	1.962	-	-	2.326	-	-	-	-	-	2.326
Gross/Weapon System Cost	-	-	97.894	6.754	13	87.800	6.203	12	74.431	5.534	19	105.152	-	-	-	5.534	19	105.152

Remarks:

The quantities shown in the Prior Years column represent only years that contain undelivered assets (FY13, FY14, FY15, and FY16).

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: 10TRGT / Target Drones	Item Number / Title [DODIC]: QF-16
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
QF-16 Drone Peculiar Equipment ^(†)		2013	The Boeing Company / St Louis MO	C / FFP	Eglin AFB	Oct 2013	Mar 2015	15	2.092	Y		Jun 2009
QF-16 Drone Peculiar Equipment ^(†)		2014	The Boeing Company / St Louis MO	C / FFP	Eglin AFB	May 2014	Mar 2017	25	1.389	Y		Jun 2009
QF-16 Drone Peculiar Equipment ^(†)		2015	The Boeing Company / St Louis MO	C / FFP	Eglin AFB	Mar 2015	Feb 2018	19	1.222	Y		Jun 2009
QF-16 Drone Peculiar Equipment ^(†)		2016	The Boeing Company / St Louis MO	C / FFP	Eglin AFB	Mar 2016	Feb 2019	25	1.210	Y		Jun 2009
QF-16 Drone Peculiar Equipment ^(†)		2017	The Boeing Company / St Louis MO	C / FFP	Eglin AFB	Mar 2017	Mar 2020	13	2.739	Y		Jun 2009
QF-16 Drone Peculiar Equipment ^(†)		2018	The Boeing Company / St Louis MO	C / FFP	Eglin AFB	Nov 2017	Nov 2020	12	1.900	Y		Jan 2017
QF-16 Drone Peculiar Equipment ^(†)		2019	The Boeing Company / St Louis MO	SS / FPIF	Eglin AFB	Apr 2019	May 2021	19	1.902	Y		Apr 2018

^(†) indicates the presence of a P-21

Remarks:

- Contract quantities illustrated include United States Air Force (USAF) only.
- Specs available due to Pre-Priced options in multi year contract.
- Actual deliveries are tracked internally between SPO and Boeing.

- Lot 2 (21 USAF tails) Awarded with FY13 and FY14 funds. The Boeing contract schedules USAF deliveries from Mar 2017 through Feb 2018.
- Lot 3 (25 USAF tails) Awarded with FY14 and FY15 funds. The Boeing contract schedules USAF deliveries from Feb 2018 through Feb 2019.
- Lot 4 (25 USAF tails) Awarded with FY16 funds. The Boeing contract schedules USAF deliveries from Feb 2019 through March 2020.
- Lot 5 Split into 5A (FY17) and 5B (FY18): SPO proactively addressed production delivery delays, preserved business deal, and realigned funds to cover critical DMS bills. Negotiated rebaselined production schedule to include preserving Lot 5 competitive pricing. Lot 5A awarded with FY17 funds for 13 USAF tails. Lot 5B awarded with FY18 funds for 12 USAF tails. The Boeing contract schedules USAF deliveries from Mar 2020 through Apr 2021 (9 months for Lot 5A and 5 months for Lot 5B).
- Lot 6 (19 USAF tails) to award with FY19 funds. The Boeing contract will schedule USAF deliveries following Lot 5B; currently projected for May 2021.

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** 10TRGT / Target Drones **Item Number / Title [DODIC]:** QF-16

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
QF-16 Drone Peculiar Equipment																															
1		2013	AF ⁽¹⁾	15	0	15	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4		
1		2014	AF	25	0	25								A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25		
1		2014	NAVY ^(‡)	2	0	2								A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
1		2014	Total	27	0	27								-	-	-	-	-	-	-	-	-	-	-	-	-	-	27			
1		2015	AF	19	0	19																						19			
1		2016	AF	25	0	25																						25			
1		2016	NAVY ^(‡)	5	0	5																						5			
1		2016	Total	30	0	30																						30			
1		2017	AF	13	0	13																						13			
1		2017	NAVY ^(‡)	5	0	5																						5			
1		2017	Total	18	0	18																						18			
1		2018	AF	12	0	12																						12			
1		2019	AF	19	0	19																						19			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** 10TRGT / Target Drones **Item Number / Title [DODIC]:** QF-16

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
QF-16 Drone Peculiar Equipment																															
1		2013	AF ⁽¹⁾	15	11	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2								0	
1		2014	AF	25	0	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	2	3	2	2	12
1		2014	NAVY ^(‡)	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0	
1		2014	Total	27	0	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	2	3	2	3	12	
1		2015	AF	19	0	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	
1		2016	AF	25	0	25																								25	
1		2016	NAVY ^(‡)	5	0	5																								5	
1		2016	Total	30	0	30																								30	
1		2017	AF	13	0	13																								13	
1		2017	NAVY ^(‡)	5	0	5																								5	
1		2017	Total	18	0	18																								18	
1		2018	AF	12	0	12																								12	
1		2019	AF	19	0	19																								19	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** 10TRGT / Target Drones **Item Number / Title [DODIC]:** QF-16

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
QF-16 Drone Peculiar Equipment																															
1		2013	AF ⁽¹⁾	15	15	0																							0		
1		2014	AF	25	13	12	2	2	2	2	2	2																	0		
1		2014	NAVY ^(‡)	2	2	0	-	-	-	-	-	-																	0		
1		2014	Total	27	15	12	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
1		2015	AF	19	0	19	-	-	-	-	1	2	2	1	2	2	1	2	2	1	1	1	1					0			
1		2016	AF	25	0	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2	2	2	2	10		
1		2016	NAVY ^(‡)	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	2		
1		2016	Total	30	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	2	3	2	3	12		
1		2017	AF	13	0	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13			
1		2017	NAVY ^(‡)	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5			
1		2017	Total	18	0	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18			
1		2018	AF	12	0	12		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12			
1		2019	AF	19	0	19																						19			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** 10TRGT / Target Drones **Item Number / Title [DODIC]:** QF-16

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2020												Fiscal Year 2021												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020												Calendar Year 2021												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
QF-16 Drone Peculiar Equipment																															
1		2013	AF ⁽¹⁾	15	15	0																							0		
1		2014	AF	25	25	0																							0		
1		2014	NAVY ^(‡)	2	2	0																							0		
1		2014	Total	27	27	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
1		2015	AF	19	19	0																							0		
1		2016	AF	25	15	10	2	2	2	2	2																		0		
1		2016	NAVY ^(‡)	5	3	2	1	-	-	1	-																		0		
1		2016	Total	30	18	12	3	2	2	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
1		2017	AF	13	0	13	-	-	-	-	-	1	2	1	2	1	1	2	1	2									0		
1		2017	NAVY ^(‡)	5	0	5	-	-	-	-	-	1	-	1	-	1	1	-	1	-									0		
1		2017	Total	18	0	18	-	-	-	-	-	2	2	2	2	2	2	2	2	2	-	-	-	-	-	-	-	0			
1		2018	AF	12	0	12	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	2	2	3				0			
1		2019	AF	19	0	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	1	2	11		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** 10TRGT / Target Drones **Item Number / Title [DODIC]:** QF-16

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
QF-16 Drone Peculiar Equipment																															
1		2013	AF ⁽¹⁾	15	15	0																							0		
1		2014	AF	25	25	0																							0		
1		2014	NAVY ^(‡)	2	2	0																							0		
1		2014	Total	27	27	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
1		2015	AF	19	19	0																							0		
1		2016	AF	25	25	0																							0		
1		2016	NAVY ^(‡)	5	5	0																							0		
1		2016	Total	30	30	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
1		2017	AF	13	13	0																							0		
1		2017	NAVY ^(‡)	5	5	0																							0		
1		2017	Total	18	18	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
1		2018	AF	12	12	0																							0		
1		2019	AF	19	8	11		1	2	1	2	1	2																0		
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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Exhibit P-21, Production Schedule: PB 2019 Air Force	Date: February 2018
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: 10TRGT / Target Drones	Item Number / Title [DODIC]: QF-16
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	The Boeing Company - St Louis MO	12	25	36	0	0	0	0	0	0	7	25	32

Remarks:

- FY 13 Dates of delivery up to Aug 16 represent actuals.
- Lot 2 Awarded with FY13 and FY14 funds.
- Lot 3 Awarded with FY14 and FY15 funds.
- Lot 4 Awarded with FY16 funds.
- Lot 5A Awarded with FY17 funds.
- Lot 5B Awarded with FY18 funds.
- Lot 6 to Award with FY19 funds.

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

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

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

Footnotes:

(1) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2016 loaded in the month of first delivery.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: 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: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	1	-	1	-	-	-	-	-	1
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	103.000	0.000	108.113	0.000	108.113	114.095	117.014	121.221	123.423	-	686.866
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	103.000	0.000	108.113	0.000	108.113	114.095	117.014	121.221	123.423	-	686.866
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	103.000	0.000	108.113	0.000	108.113	114.095	117.014	121.221	123.423	-	686.866

(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>)	-	-	-	108.113	-	108.113	-	-	-	-	-	686.866

Description:

The COMPASS CALL capability is the USAF's premier wide-area coverage Airborne Electronic Attack (AEA) Offensive Counter Information (OCI) weapon system.

The current COMPASS CALL program of record as of first quarter of FY 2018 include the following resources: fifteen (15) EC-130H Total Active Inventory (TAI) aircraft, one (1) Weapon System Trainer (WST, a.k.a. flight deck simulator) and two (2) COMPASS CALL Mission Crew Simulators (CCMCS). Of the EC-130H aircraft ten (10) are designated Primary Mission Aircraft Inventory (PMAI), two (2) are Backup Aircraft Inventory (BAI), two (2) are in attrition reserve and one (1) is Primary Development/Test Aircraft Inventory (PDAI). Transitioning to the re-host effort, the program of record procured two (2) commercial derivative aircraft (will be known as EC-37B); one was procured in late FY 2017 and one will be procured in FY 2018. These two aircraft will receive upgraded Prime Mission Equipment (PME) from donor EC-130H aircraft. Modification efforts for the re-hosted aircraft are performed under the Aircraft Procurement, Air Force appropriation, Budget Activity 05, Budget Sub Activity 5 under P-1 Line Item Number: CALL00/COMPASS CALL Mods.

The program's Doctrine, Organization, Training, materiel, Leadership & Education, Personnel, Facilities (DOTmLPP) Change Request (DCR) was approved and validated on 23 March 2016. The DCR drives the re-hosting of COMPASS CALL PME from an EC-130H to a modern, more cost-effective, survivable and operationally suitable commercial derivative aircraft which meets the requirements of the combatant commands. The USAF began the procurement of the replacement capability for the EC-130H COMPASS CALL fleet in FY 2017. The second EC-37B aircraft will be procured in FY 2018, and subsequent EC-37B aircraft will be procured at a rate of one (1) per year until a total of ten (10) aircraft are procured. However, legislative limitations on obligations and expenditures in FY 2017 and FY 2018 place the program's schedule and procurement plan at risk.

Due to the age of the EC-130H fleet (average age is 45 years), the re-hosting of the PME is crucial to ensuring the survival of this critical capability. The re-hosted COMPASS CALL platform will utilize 70% of the PME off of the current airframe without modification; the remaining PME will be repackaged for the re-host. The re-hosted COMPASS CALL aircraft will provide increased range, speed, endurance, operating altitude for better stand-off range, survivability and maintainability. This will enable the USAF to effectively conduct Electronic Attack (EA) in an Anti-Access/Area Denial (A2AD) environment. The re-hosted COMPASS CALL platform is based on a commercially available aircraft already equipped with the applicable modifications to host COMPASS CALL's PME and antenna arrays, as well as the corresponding Federal Aviation Administration (FAA) Supplemental Type Certificate (STC) and Military Type Certificates (MTC).

EC-130H airframe maintenance costs have increased every year and the re-hosting effort will dramatically curtail COMPASS CALL maintenance costs. The re-hosted COMPASS CALL platform will be maintained via contract logistic support, as directed to maintain its FAA STC. This will further decrease the cost of aircraft maintenance and free up active duty maintenance billets for other USAF priorities.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: CALL00 / Compass Call Mods
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		
The COMPASS CALL Program is managed by the 645th Aeronautical Systems Group. Funding for this exhibit is contained in PE 0207253F.		

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
CALL00 / Compass Call Mods

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

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Compass Call Mods	P-5a, P-21	A		- / -	- / 103.000	- / 0.000	1 / 108.113	- / 0.000	1 / 108.113
P-40	Total Gross/Weapon System Cost				- / -	- / 103.000	- / 0.000	1 / 108.113	- / 0.000	1 / 108.113

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

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

Justification:
The FY19 budget supports the procurement of one commercial modifiable aircraft. This COMPASS CALL system allows for EW technology advancements.

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: CALL00 / Compass Call Mods	Item Number / Title [DODIC]: Compass Call Mods

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	1	-	1
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	103.000	0.000	108.113	0.000	108.113
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	103.000	0.000	108.113	0.000	108.113
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	103.000	0.000	108.113	0.000	108.113

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

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	108.113	-	108.113

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Vehicles - Compass Call Cost																		
Recurring Cost																		
Aircraft ^(t)	-	-	-	101.791	1	101.791	-	-	0.000	108.113	1	108.113	-	-	-	108.113	1	108.113
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	101.791	-	-	0.000	-	-	108.113	-	-	-	-	-	108.113
<i>Subtotal: Vehicles - Compass Call Cost</i>	-	-	-	-	-	101.791	-	-	0.000	-	-	108.113	-	-	-	-	-	108.113
Support - Compass Call Cost																		
PMA - Other Gov't Costs	-	-	-	-	-	1.209	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Compass Call Cost</i>	-	-	-	-	-	1.209	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	103.000	-	-	0.000	108.113	1	108.113	-	-	0.000	108.113	1	108.113

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: CALL00 / Compass Call Mods	Item Number / Title [DODIC]: Compass Call Mods
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Aircraft ^(†)		2017	L-3 Technologies / Greenville, TX	SS / CPFF	AFLCMC/WI - ISR & SOF	Aug 2017	Dec 2022	1	101.791	Y	Aug 2017	May 2017
Aircraft ^(†)		2019	L-3 Technologies / Greenville, TX	SS / CPFF	AFLCMC/WI - ISR & SOF	Nov 2018	Feb 2023	1	108.113	Y	Oct 2018	Apr 2018

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** CALL00 / Compass Call Mods **Item Number / Title [DODIC]:** Compass Call Mods

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2019														Fiscal Year 2020														BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019														Calendar Year 2020														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Aircraft																																			
	1	2017	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1				
	1	2019	AF	1	0	1		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1				
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S					
							C	O	E	A	E	A	A	A	U	U	U	E	C	O	V	E	A	F	A	A	U	U	U	E					
							T	V	C	N	B	R	P	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P						

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: CALL00 / Compass Call Mods	Item Number / Title [DODIC]: Compass Call Mods
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2021													Fiscal Year 2022													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021													Calendar Year 2022													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
Aircraft																																	
1		2017	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
1		2019	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: CALL00 / Compass Call Mods	Item Number / Title [DODIC]: Compass Call Mods
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Aircraft																															
	1	2017	AF	1	0	1	-	-	1																				0		
	1	2019	AF	1	0	1	-	-	-	-	1																		0		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force	Date: February 2018
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: CALL00 / Compass Call Mods	Item Number / Title [DODIC]: Compass Call Mods
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	L-3 Technologies - Greenville, TX	1	2	2	0	0	0	0	0	0	2	51	53

Remarks:
Aircraft delivery date - date aircraft is delivered to Air Combat Command.

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

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: HAEUAV / RQ-4
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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: 0305220F
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Line Item MDAP/MAIS Code: 252

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	4,341.304	6.488	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	4,347.792
Less PY Advance Procurement (<i>\$ in Millions</i>)	667.164	-	-	-	-	-	-	-	-	-	-	667.164
Net Procurement (P-1) (<i>\$ in Millions</i>)	3,674.140	6.488	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	3,680.628
Plus CY Advance Procurement (<i>\$ in Millions</i>)	667.164	-	-	-	-	-	-	-	-	-	-	667.164
Total Obligation Authority (<i>\$ in Millions</i>)	4,341.304	6.488	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	4,347.792

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

Initial Spares (<i>\$ in Millions</i>)	88.994	-	-	-	-	-	-	-	-	-	-	88.994
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The RQ-4 Remotely Piloted Aircraft (RPA) provides high altitude, deep look, long-endurance intelligence, surveillance, reconnaissance (ISR), and Ground Moving Target Indicator (GMTI) capability that complements space and other airborne collectors during peacetime, crisis, and war-fighting scenarios. In two related Acquisition Decision Memorandums (ADM) signed by USD (AT&L) in January and June 2011, the RQ-4 program was directed to restructure into four major sub-programs: (1) RQ-4 baseline, (2) Block 30, (3) Block 40, and (4) Ground Segment/Communications System. Additionally, the Air Force created a RQ-4 Preplanned Product Improvement (P3I) for the Airborne Sense and Avoid line item (name has been changed to RQ-4 Common Airborne Sense & Avoid (C-ABSAA)) to accommodate inclusion of required capability to meet warfighter needs beyond those requirements satisfied in the directed sub-programs.

The RQ-4B is the successor to the RQ-4A, and is designed to employ 3,000 pounds of payload and enable multi-intelligence (multi-INT) collecting. The RQ-4B has three configurations: Block 20, Block 30, and Block 40. The Block 20 employs upgraded Synthetic Aperture Radar (SAR) and Electro-Optical/Infrared (EO/IR) sensors - Enhanced Integrated Sensor Suite (EISS) - in an imagery intelligence only configuration. One SAR capable Block 20 remains in the fleet. Additionally, 4 Block 20's have been converted to Battlefield Airborne Communications Node (BACN) of which 3 remain active. These aircraft are not SAR capable. The remaining Block 20 aircraft support test projects for all RQ-4 Blocks. The Block 30 employs the same EISS sensors as the Block 20, and integrates a wide spectrum signals intelligence (SIGINT) sensor, the Airborne Signals Intelligence Payload (ASIP). EISS and ASIP are used simultaneously to create a multi-INT platform. The Block 40 integrates the Multi-Platform Radar Technology Insertion Program (MP-RTIP) radar that has GMTI capability. The ground segment includes the Mission Control Element (MCE) and the Launch Recovery Element (LRE). The support segment includes aerospace ground equipment, tech orders, spares, support equipment, and training to enable operation of the RQ-4 System. The RQ-4 program will incorporate applicable synergies with other platforms, including the U.S. Navy's Triton, and other RPA weapon systems.

No Budget Year FY19 funding requested.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
HAEUAV / RQ-4

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0305220F

Line Item MDAP/MAIS Code: 252

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	RQ-4	P-5a, P-21	A		- / 3,143.160	- / -	- / -	- / -	- / -	- / -
P-5	GH UAS Support		A		- / 979.932	- / 6.488	- / -	- / -	- / -	- / -
P-5	Ground Segment		A		- / 218.212	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 4,341.304	- / 6.488	- / 0.000	- / 0.000	- / 0.000	- / 0.000

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

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

Justification:
No Budget Year FY19 funding requested.

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: HAEUAV / RQ-4	Item Number / Title [DODIC]: RQ-4

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	3,143.160	-	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	667.164	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	2,475.996	-	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	667.164	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3,143.160	-	-	-	-	-

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

Initial Spares (\$ in Millions)	88.994	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Vehicles - UAS Air Vehicle Station Cost																		
Recurring Cost																		
Global Hawk Block 10	46.425	7	324.974	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Global Hawk Block 20	54.463	6	326.777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Global Hawk Block 30 ^(t)	78.847	21	1,655.795	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Global Hawk Block 40	75.965	11	835.614	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	3,143.160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Vehicles - UAS Air Vehicle Station Cost</i>	-	-	3,143.160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	3,143.160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:

No Budget Year FY19 funding requested.

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: HAEUAV / RQ-4	Item Number / Title [DODIC]: RQ-4
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Global Hawk Block 30 ^(†)		2012	Northrup Grumman / Rancho Bernardo, CA	SS / FFP	AFLCMC Wright Patterson AFB	Aug 2014	Nov 2017	3	118.700	Y		Aug 2013

^(†) indicates the presence of a P-21

Remarks:
No Budget Year FY19 funding requested.

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: HAEUAV / RQ-4	Item Number / Title [DODIC]: RQ-4
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Global Hawk Block 30																															
Prior Years Deliveries: 18																															
1	2012	AF		3	0	3											A	-	-	-	-	-	-	-	-	-	-	3			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** HAEUAV / RQ-4 **Item Number / Title [DODIC]:** RQ-4

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017												BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P	
Global Hawk Block 30																																
Prior Years Deliveries: 18																																
1		2012	AF		3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** HAEUAV / RQ-4 **Item Number / Title [DODIC]:** RQ-4

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Global Hawk Block 30																															
Prior Years Deliveries: 18																															
1	2012	AF		3	0	3	-	1	-	-	-	-	-	-	-	1	1											0			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force	Date: February 2018
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: HAEUAV / RQ-4	Item Number / Title [DODIC]: RQ-4
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Northrup Grumman - Rancho Bernardo, CA	1	5	10	0	35	39	74	0	0	0	0

Remarks:
No Budget Year FY19 funding requested.

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

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Exhibit P-5, Cost Analysis: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: HAEUAV / RQ-4	Item Number / Title [DODIC]: GH UAS Support
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	979.932	6.488	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	979.932	6.488	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	979.932	6.488	-	-	-	-

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Support - GH UAS Support Cost																		
Site Activation	-	-	4.186	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depot Standup	-	-	155.808	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spares	-	-	557.972	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trainer	-	-	22.232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Contractor Support	-	-	67.108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment	-	-	120.639	-	-	0.400	-	-	-	-	-	-	-	-	-	-	-	-
INMARSAT	-	-	7.863	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DMS	-	-	5.630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Procurement / Production Support	-	-	37.239	-	-	2.917	-	-	-	-	-	-	-	-	-	-	-	-
PMA Contractor Services	-	-	0.848	-	-	3.000	-	-	-	-	-	-	-	-	-	-	-	-
PMA Other Government Costs	-	-	0.407	-	-	0.171	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - GH UAS Support Cost</i>	-	-	979.932	-	-	6.488	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	979.932	-	-	6.488	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
No Budget Year FY19 funding requested.

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: HAEUAV / RQ-4	Item Number / Title [DODIC]: Ground Segment

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	218.212	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	218.212	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	218.212	-	-	-	-	-

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>
Vehicles - Ground Segment Cost																		
Recurring Cost																		
Common Ground Station	21.821	10	218.212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	218.212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Vehicles - Ground Segment Cost</i>	-	-	218.212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	218.212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:

No Budget Year FY19 funding requested.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: PRDTB1 / MQ-9
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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: 0304260F, 0305206F, 0305219F
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Line Item MDAP/MAIS Code: 424

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	323	24	32	8	21	29	4	4	4	13	-	433
Gross/Weapon System Cost (<i>\$ in Millions</i>)	5,740.581	488.552	388.221	221.707	339.740	561.447	497.568	213.863	266.727	413.252	458.062	9,028.273
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	5,740.581	488.552	388.221	221.707	339.740	561.447	497.568	213.863	266.727	413.252	458.062	9,028.273
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5,740.581	488.552	388.221	221.707	339.740	561.447	497.568	213.863	266.727	413.252	458.062	9,028.273
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	775.284	87.943	32.307	71.003	-	71.003	48.015	45.219	37.233	37.904	147.919	1,282.827
Flyaway Unit Cost (<i>\$ in Millions</i>)	14.620	18.768	11.213	25.162	15.479	18.150	104.635	39.398	49.995	27.976	-	17.386
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	17.773	20.356	12.132	27.713	16.178	19.360	124.392	53.466	66.682	31.789	-	20.851

Description:

FY16 funding totals include \$42.5M appropriated for Overseas Contingency Operations.
 FY17 funding totals include \$366.03M appropriated for Overseas Contingency Operations.
 FY18 funding totals include \$271.08M requested for Overseas Contingency Operations.
 FY19 funding totals include \$339.74M requested for Overseas Contingency Operations.

12 Aircraft from FY17 OCO buy will support Government Own Contractor Operated (GOCO) efforts.
 12 Aircraft from FY18 OCO buy will support Government Own Contractor Operated (GOCO) efforts.
 21 Aircraft from FY19 OCO buy will be used to replace lifecycle sustainment and projected attrition/combat loss numbers.

MQ-9 Reaper procurement includes all components of the MQ-9 weapon system. The basic MQ-9 Reaper system consists of the aircraft, sensors, a Ground Control Station (GCS), communications equipment, weapon kits, support equipment, simulator and training devices, Readiness Spares Packages (RSP), technical data/training, and personnel required to operate, maintain, and sustain the system. The system is designed to be modular and open-ended. Mission-specific equipment is employed in a plug-and-play mission kit concept allowing specific aircraft and control station configurations to be tailored to fit mission needs. Due to the nature of the platform, all future production requirements may vary based on warfighter necessity and available funding.

The MQ-9 Reaper aircraft is a single-engine, turbo-prop Remotely Piloted Aircraft (RPA) designed to operate over-the-horizon at medium-to-high altitude for long endurance sorties. The aircraft is being designed primarily to prosecute critical emerging Time-Sensitive-Targets (TST) as a radar, Electro-Optical/Infra-Red (EO/IR), and laser designator-based attack asset with on-board hard-kill capability (hunter-killer) while performing Intelligence, Surveillance, Reconnaissance and Target Acquisition (ISR TA). In the hunter-killer role, the aircraft will employ fused multi-spectral sensor information to find, fix, and track ground targets and assess post-strike results using Automatic Target Cuing (ATC), Target Location Accuracy (TLA), Metric Sensor and other capabilities.

The GCS functions as the aircraft cockpit and can control the aircraft from either within Line-of-Sight (LOS) or Beyond Line-of-Sight (BLOS) via a combination of satellite relay and terrestrial communication architectures. The GCS is either mobile to support forward operating locations or fixed at a facility to support Remote Split Operations (RSO). The GCS has the capability to perform mission planning functions; provides a means for manual and/or autonomous command and control; allows personnel to launch, recover, and monitor aircraft, payloads, and system communications status; secure data links to receive payload sensor data and command links; monitor threats to the aircraft; display common operational picture information; and provide support functions. Additionally, a Launch and Recovery GCS (LRGCS) allows for servicing, systems checks, maintaining, launching, and recovering aircraft under LOS control for hand-off to a mobile or fixed GCS. The GCS will continue to evolve and upgrade its capabilities to keep pace

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: PRDTB1 / MQ-9
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0304260F, 0305206F, 0305219F
Line Item MDAP/MAIS Code: 424		
<p>with MQ-9 system capabilities, Concept of Operations (CONOPS), and the missions they perform. Near-term upgrades include new LINUX processors, high definition monitors, and ergonomic improvements. Future planned upgrades include integrating improved human-machine interfaces, open systems architecture, improved crew habitability, and multiple aircraft control. Future GCS configurations will leverage the Unmanned Aerospace System (UAS) Command and Control (C2) Initiative (UCI) government-owned open system standard to enable improved capabilities for situational awareness and multi-mission management monitoring and oversight.</p> <p>Flyaway cost subtotal includes GCS, Ground Data Terminals (GDTs), and Predator Primary Satellite Links (PPSLs) which are not procured in the same quantities as aircraft. Thus, the unit flyaway cost will fluctuate from year to year as different quantities of GCSs, GDTs, and PPSLs are procured.</p> <p>Block 50 GCS production initial buys will be used for Tactics, Techniques, and Procedures (TTP) development for the Remotely Piloted Aircraft (RPA) school house and other training units. The initial production of Block 50 was delayed in order to meet a new single Operational Flight Program (OFP) requirement from ACC. Block 30 GCS Production will continue until the Block 50 GCS successfully passes DT/OT and receives a fielding decision.</p> <p>MQ-9s are procured sole-source with General Atomics-Aeronautical Systems Incorporated (GA-ASI). GA-ASI is responsible for the aircraft and Ground Control Station (GCS), The Raytheon Company for the Multi-Spectral Targeting System-B (MTS-B) EO/IR sensor, and L3 Communications for the Operator Simulator and satellite communication (SATCOM) infrastructure components.</p> <p>This program has associated Research Development Test and Evaluation AF funding in PE 0205219F MQ-9 Reaper UAV.</p> <p>Funding for this exhibit contained in PE 0205219F.</p> <p>Funding may be used to address Diminishing Manufacturing Sources (DMS) and Non-Recurring Engineering (NRE) issues</p> <p>MQ-9 IPR completed 11 Sep 2017, program ID Code is now A. A formal FRP will not be completed due to the de facto production decision provided by continued funding beyond Low Rate Initial Production. Developmental specifications are being used for contracting.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
PRDTB1 / MQ-9

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0304260F, 0305206F, 0305219F

Line Item MDAP/MAIS Code: 424

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	MQ-9	P-5a, P-21	A		323 / 5,740.581	24 / 488.552	32 / 388.221	8 / 221.707	21 / 339.740	29 / 561.447
P-40	Total Gross/Weapon System Cost				323 / 5,740.581	24 / 488.552	32 / 388.221	8 / 221.707	21 / 339.740	29 / 561.447

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

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

Justification:

- A. Aircraft Production - "Other Contingency Operations" Funding procures 21 of the latest configuration of the MQ-9 aircraft to support service life replacement of aging aircraft.
- B. Production Support - funding included in Production Support consists of Engineering Change Orders (ECO) urgent services, and non-recurring production costs associated with diminishing manufacturing sources, reliability and maintenance (R&M), safety enhancements, and higher level initiatives directed by the Air Force.
- C. Ground Control Station & Government Furnished Equipment (GFE) - Ground Control Stations, used for MQ-9 operations to support the standup, fielding, and sustainment of 60 Combat Lines (CL). This effort procures Ground Control Stations (GCS). The GCS functions as the aircraft cockpit and can control the aircraft from either within line-of-sight (LOS) or beyond LOS (BLOS) via a combination of satellite relay and terrestrial communication architectures. GCS are used to support Remote Split Operations (RSO) from Continental United States locations, and launch/recovery from forward operating locations. The total quantity and configuration procured is determined by budget and mission requirements.
- D. Other Government Costs (OGC) - Funding for OGCs includes direct mission support and Program Management Administration (PMA). PMA includes, but not limited to, program office costs such as Management Information System (MIS) support, travel, training, security, and facility management. In addition, costs for Advisory and Assistance Services (A&AS) for program management, logistics, integration and test, and administration support services are included.
- E. Training Device/Simulator - Funding will procure Brief/Debrief Stations, local area network (LAN) cabinets, and other mission requirements to support aircrew training. Simulator quantities are various configurations of Instructor Operator Stations (IOS) with mission coordination capabilities to support aircrew training.
- F. Diminishing Manufacturing Sources & Material Solutions (DMSMS) - As required by Diminishing Manufacturing Sources & Material Solutions (DMSMS), MQ-9 will complete Bridge or Life of Type Buys (LOTB), to protect the production lines as long as the such a procurement is more optimal than other DMSMS solutions.
- G. Support Equipment - Funding to procure, but not limited to, Test Equipment, Ruggedized Aircraft Maintenance Test Stations (RAMTS) and cooling carts, in support of the aircraft and GCS purchases.

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Exhibit P-5, Cost Analysis: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	323	24	32	8	21	29
Gross/Weapon System Cost (\$ in Millions)	5,740.581	488.552	388.221	221.707	339.740	561.447
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	5,740.581	488.552	388.221	221.707	339.740	561.447
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	5,740.581	488.552	388.221	221.707	339.740	561.447

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

Initial Spares (\$ in Millions)	775.284	87.943	32.307	71.003	-	71.003
Gross/Weapon System Unit Cost (\$ in Millions)	17.773	20.356	12.132	27.713	16.178	19.360

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Flyaway - Flyaway End Item Cost																		
Recurring Cost																		
MQ-9 Reaper Aircraft and GFE ^(†)	12.168	323	3,930.256	14.325	24	343.810	15.887	16	254.190	14.808	8	118.464	14.808	21	310.968	14.808	29	429.432
Production Support	-	-	234.282	-	-	12.330	-	-	6.990	-	-	-	-	-	10.180	-	-	10.180
Fixed Ground Control Station and GFE ^(†)	2.782	89	247.632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mobile Ground Control Station and GFE ^(†)	3.816	17	64.876	2.702	22	59.440	5.695	4	22.780	-	-	-	-	-	-	-	-	-
Dual Ground Control Station and GFE ^(†)	5.084	11	55.921	5.007	6	30.040	7.129	10	71.290	8.014	10	80.140	-	-	-	8.014	10	80.140
Ground Data Terminals ^(†)	0.345	144	49.662	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Predator Primary Satellite Link (PPSL) ^(†)	1.164	120	139.686	-	-	4.800	-	-	3.551	-	-	2.693	-	-	3.912	-	-	6.605
Subtotal: Recurring Cost	-	-	4,722.315	-	-	450.420	-	-	358.801	-	-	201.297	-	-	325.060	-	-	526.357
Subtotal: Flyaway - Flyaway End Item Cost	-	-	4,722.315	-	-	450.420	-	-	358.801	-	-	201.297	-	-	325.060	-	-	526.357
Support - Support End Item Cost																		
Other Government Costs (OGC)	-	-	119.338	-	-	7.022	-	-	17.870	-	-	20.410	-	-	-	-	-	20.410
Initial Spares/Deployment Support Kits	-	-	596.372	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Support Equipment	-	-	204.047	-	-	8.600	-	-	11.550	-	-	0.000	-	-	14.680	-	-	14.680

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Training Device/Simulator	-	-	69.509	-	-	22.510	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Production Shutdown	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Other OCO	-	-	29.000	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>	-	-	1,018.266	-	-	38.132	-	-	29.420	-	-	20.410	-	-	14.680	-	-	35.090
Gross/Weapon System Cost	17.773	323	5,740.581	20.356	24	488.552	12.132	32	388.221	27.713	8	221.707	16.178	21	339.740	19.360	29	561.447

Remarks:

Ground Control Station (GCS) & GFE - The GCS functions as the aircraft cockpit and can control the aircraft from either within Line-of-Sight (LOS) or Beyond Line-of-Sight (BLOS) via a combination of satellite relay and terrestrial communication architectures. GCSs are used primarily to support Remote Split Operations (RSO) from Continental United States locations. Block 30 GCS procurement begins FY15 and is currently planned through FY18. ACC conducting analysis which can cause GCS QTY to change in year of execution.

Flyaway cost subtotal includes GCS, Ground Data Terminals (GDT), and Predator Primary Satellite Link (PPSL) which are not procured in the same quantities as aircraft. Thus, the flyaway cost will fluctuate from year to year as different quantities of GCSs, GDTs, and PPSLs are procured.

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force								Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5			P-1 Line Item Number / Title: PRDTB1 / MQ-9					Item Number / Title [DODIC]: MQ-9				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
MQ-9 Reaper Aircraft and GFE ^(†)		2010	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2011	Nov 2011	24	10.405	Y		Dec 2009
MQ-9 Reaper Aircraft and GFE ^(†)		2011	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Dec 2011	Mar 2013	48	10.564	Y		May 2010
MQ-9 Reaper Aircraft and GFE ^(†)		2012	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Sep 2012	Feb 2014	48	9.909	Y		May 2010
MQ-9 Reaper Aircraft and GFE ^(†)		2013	GA-ASI / Poway, CA	SS / FPIF	AFLCMC Wright Patterson AFB	Oct 2013	Aug 2016	39	12.134	Y		Apr 2012
MQ-9 Reaper Aircraft and GFE ^(†)		2014	GA-ASI / Poway, CA	SS / FPIF	AFLCMC Wright Patterson AFB	May 2015	Nov 2016	23	12.430	Y		Dec 2012
MQ-9 Reaper Aircraft and GFE ^(†)		2015	GA-ASI / Poway, CA	SS / FPIF	AFLCMC Wright Patterson AFB	Aug 2016	Jul 2018	24	13.367	Y		Dec 2015
MQ-9 Reaper Aircraft and GFE ^(†)		2016	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Apr 2017	Jul 2019	33	13.770	Y		Jan 2016
MQ-9 Reaper Aircraft and GFE ^(†)		2017	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Mar 2018	May 2020	24	14.325	Y		Dec 2016
MQ-9 Reaper Aircraft and GFE ^(†)		2018	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Nov 2018	Jan 2021	16	15.887	Y		Dec 2017
MQ-9 Reaper Aircraft and GFE ^(†)		2019	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jul 2019	Aug 2021	8	14.808	Y		Dec 2018
MQ-9 Reaper Aircraft and GFE ^(†)	✓	2019	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jul 2019	Nov 2021	21	14.808	Y		Dec 2018
Fixed Ground Control Station and GFE ^(†)		2010	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Dec 2011	Jan 2013	7	1.729	Y		Feb 2011
Fixed Ground Control Station and GFE ^(†)		2011	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Aug 2012	Jan 2013	13	1.889	Y		Apr 2011
Fixed Ground Control Station and GFE ^(†)		2015	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Nov 2016	Apr 2017	11	3.518	Y		Oct 2014
Fixed Ground Control Station and GFE ^(†)		2016	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jul 2017	Nov 2018	15	3.154	Y		Aug 2015
Mobile Ground Control Station and GFE ^(†)		2015	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Dec 2015	Mar 2017	3	6.013	Y		Aug 2015
Mobile Ground Control Station and GFE ^(†)		2016	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jul 2017	May 2019	13	3.420	Y		Jun 2015
Mobile Ground Control Station and GFE ^(†)		2017	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jun 2018	Nov 2019	22	2.702	Y		Jun 2016
Mobile Ground Control Station and GFE ^(†)		2018	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jul 2018	Nov 2019	4	5.695	Y		Jul 2017

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Dual Ground Control Station and GFE ^(†)		2016	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jul 2016	May 2019	3	4.500	Y		Oct 2015
Dual Ground Control Station and GFE ^(†)		2017	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Dec 2017	May 2019	6	5.007	Y		
Dual Ground Control Station and GFE ^(†)		2018	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jul 2018	Nov 2019	10	7.129	Y		
Dual Ground Control Station and GFE ^(†)		2019	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jul 2019	Nov 2020	10	8.014	Y		Jul 2017
Ground Data Terminals ^(†)		2015	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Dec 2015	Apr 2017	12	0.449	Y		Aug 2015
Ground Data Terminals ^(†)		2016	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Dec 2016	Jun 2018	9	0.441	Y		Aug 2016
Predator Primary Satellite Link (PPSL)		2008	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Sep 2010	Oct 2011	60	0.321	Y		Feb 2010
Predator Primary Satellite Link (PPSL)		2012	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Mar 2012	Nov 2015	35	0.364	Y		Jul 2011
Predator Primary Satellite Link (PPSL)		2013	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Apr 2014	Sep 2016	25	0.406	Y		Nov 2012

^(†) indicates the presence of a P-21

Remarks:

MQ-9 IPR completed 11 Sep 2017, program ID Code is now A. A formal FRP will not be completed due to the de facto production decision provided by continued funding beyond Low Rate Initial Production. Developmental specifications are being used for contracting.

MQ-9 Aircraft

Four (4) of the thirty-three (33) FY16 aircraft were purchased using OCO funding

Twenty-four (24) FY17 aircraft were purchased using OCO funding.

Sixteen (16) FY18 aircraft will be purchased using OCO funding.

Twenty-one(21) FY19 aircraft will be purchased using OCO funding.

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** PRDTB1 / MQ-9 **Item Number / Title [DODIC]:** MQ-9

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2010													Fiscal Year 2011													BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2009	BAL DUE AS OF 1 OCT	Calendar Year 2010													Calendar Year 2011													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
MQ-9 Reaper Aircraft and GFE																																	
Prior Years Deliveries: 84																																	
	1	2010	AF ⁽¹⁾	24	0	24																							24				
	1	2011	AF ⁽²⁾	48	0	48																							48				
	1	2012	AF ⁽³⁾	48	0	48																							48				
	1	2013	AF ⁽⁴⁾	39	0	39																							39				
	1	2014	AF	23	0	23																							23				
	1	2015	AF	24	0	24																							24				
	1	2016	AF	33	0	33																							33				
	2	2017	AF	24	0	24																							24				
	2	2018	AF	16	0	16																							16				
	1	2019	AF	8	0	8																							8				
✓	1	2019	AF	21	0	21																							21				
Fixed Ground Control Station and GFE																																	
Prior Years Deliveries: 43																																	
	3	2010	AF ⁽⁵⁾	7	0	7																							7				
	3	2011	AF ⁽⁶⁾	13	0	13																							13				
	3	2015	AF	11	0	11																							11				
	3	2016	AF	15	0	15																							15				
Mobile Ground Control Station and GFE																																	
Prior Years Deliveries: 1																																	
	4	2015	AF	3	0	3																							3				
	4	2016	AF	13	0	13																							13				
	4	2017	AF	22	0	22																							22				
	4	2018	AF	4	0	4																							4				
Dual Ground Control Station and GFE																																	
Prior Years Deliveries: 8																																	
	5	2016	AF	3	0	3																							3				
	5	2017	AF	6	0	6																							6				
	5	2018	AF	10	0	10																							10				
	5	2019	AF	10	0	10																							10				
Ground Data Terminals																																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2010												Fiscal Year 2011												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2009	BAL DUE AS OF 1 OCT	Calendar Year 2010												Calendar Year 2011												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Prior Years Deliveries: 123																															
6		2015	AF	12	0	12																									12
6		2016	AF	9	0	9																									9
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** PRDTB1 / MQ-9 **Item Number / Title [DODIC]:** MQ-9

Cost Elements <i>(Units in Each)</i>				Fiscal Year 2012														Fiscal Year 2013												BALANCE			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	Calendar Year 2012														Calendar Year 2013												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P		
MQ-9 Reaper Aircraft and GFE																																	
Prior Years Deliveries: 84																																	
	1	2010	AF ⁽¹⁾	24	0	24	-	24																				0					
	1	2011	AF ⁽²⁾	48	0	48			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	0					
	1	2012	AF ⁽³⁾	48	0	48											A -	-	-	-	-	-	-	-	-	-	-	48					
	1	2013	AF ⁽⁴⁾	39	0	39																						39					
	1	2014	AF	23	0	23																						23					
	1	2015	AF	24	0	24																						24					
	1	2016	AF	33	0	33																						33					
	2	2017	AF	24	0	24																						24					
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✓	1	2019	AF	21	0	21																						21					
Fixed Ground Control Station and GFE																																	
Prior Years Deliveries: 43																																	
	3	2010	AF ⁽⁵⁾	7	0	7			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	0						
	3	2011	AF ⁽⁶⁾	13	0	13											A -	-	-	-	-	-	-	-	-	13	0						
	3	2015	AF	11	0	11																						11					
	3	2016	AF	15	0	15																						15					
Mobile Ground Control Station and GFE																																	
Prior Years Deliveries: 1																																	
	4	2015	AF	3	0	3																						3					
	4	2016	AF	13	0	13																						13					
	4	2017	AF	22	0	22																						22					
	4	2018	AF	4	0	4																						4					
Dual Ground Control Station and GFE																																	
Prior Years Deliveries: 8																																	
	5	2016	AF	3	0	3																						3					
	5	2017	AF	6	0	6																						6					
	5	2018	AF	10	0	10																						10					
	5	2019	AF	10	0	10																						10					
Ground Data Terminals																																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2012												Fiscal Year 2013												BALANCE																										
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	Calendar Year 2012												Calendar Year 2013																																					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P																									
Prior Years Deliveries: 123																																																								
6	2015	AF		12	0	12																									12																									
6	2016	AF		9	0	9																									9																									
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> <td colspan="5"></td> </tr> </table>																												O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																																	

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014														Fiscal Year 2015														BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014														Calendar Year 2015														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
MQ-9 Reaper Aircraft and GFE																																			
Prior Years Deliveries: 84																																			
	1	2010	AF ⁽¹⁾	24	24	0																							0						
	1	2011	AF ⁽²⁾	48	48	0																							0						
	1	2012	AF ⁽³⁾	48	0	48	-	-	-	-	48																		0						
	1	2013	AF ⁽⁴⁾	39	0	39	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39						
	1	2014	AF	23	0	23																							23						
	1	2015	AF	24	0	24																							24						
	1	2016	AF	33	0	33																							33						
	2	2017	AF	24	0	24																							24						
	2	2018	AF	16	0	16																							16						
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✓	1	2019	AF	21	0	21																							21						
Fixed Ground Control Station and GFE																																			
Prior Years Deliveries: 43																																			
	3	2010	AF ⁽⁵⁾	7	7	0																							0						
	3	2011	AF ⁽⁶⁾	13	13	0																							0						
	3	2015	AF	11	0	11																							11						
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Mobile Ground Control Station and GFE																																			
Prior Years Deliveries: 1																																			
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	4	2018	AF	4	0	4																							4						
Dual Ground Control Station and GFE																																			
Prior Years Deliveries: 8																																			
	5	2016	AF	3	0	3																							3						
	5	2017	AF	6	0	6																							6						
	5	2018	AF	10	0	10																							10						
	5	2019	AF	10	0	10																							10						
Ground Data Terminals																																			
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S					
							C	O	E	A	E	A	A	A	U	U	U	E	C	O	V	E	A	E	A	A	J	J	A	S					
							T	V	C	N	B	R	P	Y	N	L	G	P	T	V	C	N	B	R	P	Y	N	L	G	P					

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Prior Years Deliveries: 123																															
6		2015	AF	12	0	12																							12		
6		2016	AF	9	0	9																							9		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016														Fiscal Year 2017										BALANCE			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016														Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P		
MQ-9 Reaper Aircraft and GFE																																	
Prior Years Deliveries: 84																																	
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	1	2011	AF ⁽²⁾	48	48	0																											0
	1	2012	AF ⁽³⁾	48	48	0																											0
	1	2013	AF ⁽⁴⁾	39	0	39	-	-	-	-	-	-	-	-	-	24	-	-	3	3	3	3	3									0	
	1	2014	AF	23	0	23	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3			2	-	-	-	-	-	6	
	1	2015	AF	24	0	24										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	
	1	2016	AF	33	0	33																					A -	-	-	-	-	33	
	2	2017	AF	24	0	24																										24	
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	1	2019	AF	8	0	8																										8	
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Fixed Ground Control Station and GFE																																	
Prior Years Deliveries: 43																																	
	3	2010	AF ⁽⁵⁾	7	7	0																										0	
	3	2011	AF ⁽⁶⁾	13	13	0																										0	
	3	2015	AF	11	0	11																										7	
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Mobile Ground Control Station and GFE																																	
Prior Years Deliveries: 1																																	
	4	2015	AF	3	0	3																										0	
	4	2016	AF	13	0	13																										13	
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	4	2018	AF	4	0	4																										4	
Dual Ground Control Station and GFE																																	
Prior Years Deliveries: 8																																	
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	5	2017	AF	6	0	6																										6	
	5	2018	AF	10	0	10																										10	
	5	2019	AF	10	0	10																										10	
Ground Data Terminals																																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
---	---	---

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016														Fiscal Year 2017										BALANCE					
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016														Calendar Year 2017														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P				
Prior Years Deliveries: 123																																			
6	2015	AF		12	0	12			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	0
6	2016	AF		9	0	9																													9

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** PRDTB1 / MQ-9 **Item Number / Title [DODIC]:** MQ-9

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018													Fiscal Year 2019													BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018													Calendar Year 2019													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
MQ-9 Reaper Aircraft and GFE																																	
Prior Years Deliveries: 84																																	
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	1	2012	AF ⁽³⁾	48	48	0																							0				
	1	2013	AF ⁽⁴⁾	39	39	0																							0				
	1	2014	AF	23	17	6	-	-	-	-	-	-	-	3	3														0				
	1	2015	AF	24	0	24	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	3						0				
	1	2016	AF	33	0	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3			24				
	2	2017	AF	24	0	24																							24				
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	3	2015	AF	11	4	7	2	2	3																				0				
	3	2016	AF	15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	3	3	3	3	1			0				
Mobile Ground Control Station and GFE																																	
Prior Years Deliveries: 1																																	
	4	2015	AF	3	3	0																							0				
	4	2016	AF	13	0	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2	2	4				
	4	2017	AF	22	0	22																							22				
	4	2018	AF	4	0	4																							4				
Dual Ground Control Station and GFE																																	
Prior Years Deliveries: 8																																	
	5	2016	AF	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1				0				
	5	2017	AF	6	0	6																							1				
	5	2018	AF	10	0	10																							10				
	5	2019	AF	10	0	10																							10				
Ground Data Terminals																																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018													Fiscal Year 2019													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018													Calendar Year 2019													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
Prior Years Deliveries: 123																																	
	6	2015	AF	12	12	0																							0				
	6	2016	AF	9	0	9	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** PRDTB1 / MQ-9 **Item Number / Title [DODIC]:** MQ-9

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2020													Fiscal Year 2021													BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020													Calendar Year 2021													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
MQ-9 Reaper Aircraft and GFE																																	
Prior Years Deliveries: 84																																	
	1	2010	AF ⁽¹⁾	24	24	0																							0				
	1	2011	AF ⁽²⁾	48	48	0																							0				
	1	2012	AF ⁽³⁾	48	48	0																							0				
	1	2013	AF ⁽⁴⁾	39	39	0																							0				
	1	2014	AF	23	23	0																							0				
	1	2015	AF	24	24	0																							0				
	1	2016	AF	33	9	24	3	3	3	3	3	3	3																0				
	2	2017	AF	24	0	24	-	-	-	-	-	-	2	3	2	3	2	3	2	3	2	2							0				
	2	2018	AF	16	0	16	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	2	3	2	3	1		0				
	1	2019	AF	8	0	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3		3				
✓	1	2019	AF	21	0	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		21				
Fixed Ground Control Station and GFE																																	
Prior Years Deliveries: 43																																	
	3	2010	AF ⁽⁵⁾	7	7	0																							0				
	3	2011	AF ⁽⁶⁾	13	13	0																							0				
	3	2015	AF	11	11	0																							0				
	3	2016	AF	15	15	0																							0				
Mobile Ground Control Station and GFE																																	
Prior Years Deliveries: 1																																	
	4	2015	AF	3	3	0																							0				
	4	2016	AF	13	9	4	3	1																					0				
	4	2017	AF	22	0	22	-	2	3	3	3	3	3	3	3	2													0				
	4	2018	AF	4	0	4	-	1	1	1	1																		0				
Dual Ground Control Station and GFE																																	
Prior Years Deliveries: 8																																	
	5	2016	AF	3	3	0																							0				
	5	2017	AF	6	5	1	1																						0				
	5	2018	AF	10	0	10	-	1	1	1	1	1	1	1	1	1												0					
	5	2019	AF	10	0	10	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	1	1	1	1	1	1		0				
Ground Data Terminals																																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** PRDTB1 / MQ-9 **Item Number / Title [DODIC]:** MQ-9

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2020														Fiscal Year 2021														BALANCE
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020														Calendar Year 2021														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Prior Years Deliveries: 123																																			
	6	2015	AF	12	12	0																							0						
	6	2016	AF	9	9	0																							0						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
MQ-9 Reaper Aircraft and GFE																																			
Prior Years Deliveries: 84																																			
	1	2010	AF ⁽¹⁾	24	24	0																							0						
	1	2011	AF ⁽²⁾	48	48	0																							0						
	1	2012	AF ⁽³⁾	48	48	0																							0						
	1	2013	AF ⁽⁴⁾	39	39	0																							0						
	1	2014	AF	23	23	0																							0						
	1	2015	AF	24	24	0																							0						
	1	2016	AF	33	33	0																							0						
	2	2017	AF	24	24	0																							0						
	2	2018	AF	16	16	0																							0						
	1	2019	AF	8	5	3		3																					0						
✓	1	2019	AF	21	0	21		-	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0						
Fixed Ground Control Station and GFE																																			
Prior Years Deliveries: 43																																			
	3	2010	AF ⁽⁵⁾	7	7	0																							0						
	3	2011	AF ⁽⁶⁾	13	13	0																							0						
	3	2015	AF	11	11	0																							0						
	3	2016	AF	15	15	0																							0						
Mobile Ground Control Station and GFE																																			
Prior Years Deliveries: 1																																			
	4	2015	AF	3	3	0																							0						
	4	2016	AF	13	13	0																							0						
	4	2017	AF	22	22	0																							0						
	4	2018	AF	4	4	0																							0						
Dual Ground Control Station and GFE																																			
Prior Years Deliveries: 8																																			
	5	2016	AF	3	3	0																							0						
	5	2017	AF	6	6	0																							0						
	5	2018	AF	10	10	0																							0						
	5	2019	AF	10	10	0																							0						
Ground Data Terminals																																			
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	GA-ASI - Poway, CA	16	24	48	0	0	0	0	0	0	10	25	35
2	GA-ASI - Poway, CA				0	0	0	0	0	0	0	0	0
3	GA-ASI - Poway, CA	12	24	48	0	0	0	0	0	0	10	17	27
4	GA-ASI - Poway, CA	12	24	48	0	0	0	0	0	0	10	16	26
5	GA-ASI - Poway, CA	6	12	18	0	0	0	0	0	0	10	16	26
6	GA-ASI - Poway, CA	24	48	48	0	0	0	0	0	0	15	18	33

Remarks:
MQ-9 Reaper Aircraft: This effort will procure Block 5 MQ-9 Reaper aircraft and associated MTS-B Electro-Optical/Infra-Red (EO/IR) sensors, Lynx Synthetic Aperture Radar (SAR) sensors, and Hellfire launchers and rails.

The FY12 aircraft production took longer than twelve (12) months due to the Block 1 to Block 5 aircraft production line conversion, and the Accelerated Extended Range JUON production cut-in.

Due to FOT&E compliance discussions, the FY13 aircraft did not begin delivery until August 2016. This further led to a delay in negotiations for the FY15 aircraft buy, causing a four (4) month production break. This production break is captured in the FY14 funding that was utilized in the FY15 aircraft buy. FY14 funding was utilized on the FY15 aircraft buy to accelerate the FY18 requirement.

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

- Footnotes:**
- (1) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2016 loaded in the month of first delivery.
 - (2) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2016 loaded in the month of first delivery.
 - (3) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2016 loaded in the month of first delivery.
 - (4) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2016 loaded in the month of first delivery.
 - (5) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2016 loaded in the month of first delivery.
 - (6) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2016 loaded in the month of first delivery.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: Q020BR / RQ-20B Puma
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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: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	0.000	0.000	13.500	13.500	0.000	0.000	0.000	0.000	-	13.500
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	0.000	0.000	13.500	13.500	0.000	0.000	0.000	0.000	-	13.500
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	0.000	0.000	13.500	13.500	0.000	0.000	0.000	0.000	-	13.500

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

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

Description:

The RQ-20B is a small un-manned Aircraft System (UAS). It gives situational awareness by providing persistent, intelligence, surveillance, reconnaissance and targeting data (ISRT) to convoy and ground troops.

The RQ-20B has a 9.2 foot wing span, 4.6 foot nose to tail length, a weight 14.6 kg, and is fully waterproof for all environment operations. It is capable of landing in water or on land. It has precision navigation with secondary Global Positioning System (GPS). The RQ-20B is equipped with both an electro-optical (EO) and an infrared (IR) camera. It also has an illuminator-Geo-location, laser marker.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
Q020BR / RQ-20B Puma

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

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	RQ-20B Puma		A		- / -	- / 0.000	- / 0.000	- / 0.000	- / 13.500	- / 13.500
P-40	Total Gross/Weapon System Cost				- / -	- / 0.000	- / 0.000	- / 0.000	- / 13.500	- / 13.500

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

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

Justification:
This program is a new start.

-The FY19 OCO request will procure RQ-20Bs to support 10 UTCs (60 x RQ-20B aircraft and associated parts/accessories).

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: Q020BR / RQ-20B Puma	Item Number / Title [DODIC]: RQ-20B Puma

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	0.000	0.000	13.500	13.500
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	0.000	0.000	13.500	13.500
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	0.000	0.000	13.500	13.500

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>
Flyaway - RQ-20B Puma Cost																		
Recurring Cost																		
RQ-20B Puma	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	0.225	60	13.500	0.225	60	13.500
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	13.500	-	-	13.500
<i>Subtotal: Flyaway - RQ-20B Puma Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	13.500	-	-	13.500
Gross/Weapon System Cost	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	13.500	-	-	13.500

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 06: Aircraft Spares and Repair Parts / BSA 10: Aircraft Spares and Repair Parts	P-1 Line Item Number / Title: 000999 / Initial Spares/Repair Parts
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ID Code (A=Service Ready, B=Not Service Ready):	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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	1,013.994	1,171.019	956.408	91.500	1,047.908	1,001.861	905.438	963.787	1,014.009	-	7,118.016
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	1,013.994	1,171.019	956.408	91.500	1,047.908	1,001.861	905.438	963.787	1,014.009	-	7,118.016
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	1,013.994	1,171.019	956.408	91.500	1,047.908	1,001.861	905.438	963.787	1,014.009	-	7,118.016

(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 2017 funding totals include \$25.600M appropriated for Overseas Contingency Operations.
FY 2018 funding totals include \$129.450M requested 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
- 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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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 06: Aircraft Spares and Repair Parts / BSA 10: Aircraft Spares and Repair Parts		P-1 Line Item Number / Title: 000999 / Initial Spares/Repair Parts
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>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.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 06: Aircraft Spares and Repair Parts /
 BSA 10: Aircraft Spares and Repair Parts **P-1 Line Item Number / Title:**
 000999 / Initial Spares/Repair Parts

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-18	Initial Spares/Repair Parts			224 212 277 265 198 199 387 424 252	- / -	- / 1,013.994	- / 1,171.019	- / 956.408	- / 91.500	- / 1,047.908
P-40	Total Gross/Weapon System Cost				- / -	- / 1,013.994	- / 1,171.019	- / 956.408	- / 91.500	- / 1,047.908

Title represents the P-18 Title for Spares.

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

Justification:
 In FY 2019, the funding request for KC-46A Tanker Squadrons and F-35 have large initial spares requirements in preparation for fielding.

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2019 Air Force					Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 06 / 10		P-1 Line Item Number / Title: 000999 / Initial Spares/Repair Parts			Title: Initial Spares/Repair Parts	
End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2017 (\$ M)	FY 2018 (\$ M)	FY 2019 Base (\$ M)	FY 2019 OCO (\$ M)	FY 2019 Total (\$ M)
Initial						
BA 06 - Aircraft Spares and Repair Parts						
10TRGT / Aerial Targets	-	0.595	0.596	0.579	0.000	0.579
DARP01 / Airborne Reconnaissance Systems	-	0.000	0.216	0.000	7.500	7.500
OTHACF / Precision Attack Systems Procurement	-	1.445	3.284	3.310	0.000	3.310
B01B00 / B-1B Squadrons	-	7.429	7.806	0.000	0.000	0.000
B00200 / B-2 Squadrons [224]	-	2.187	4.911	0.000	0.000	0.000
B05200 / B-52 Squadrons	-	5.505	5.423	0.174	0.000	0.174
C13000 / C-130 Airlift Squadron	-	0.000	2.814	0.616	0.000	0.616
C01700 / C-17 Aircraft (IF)	-	20.400	73.248	12.850	0.000	12.850
C00500 / C-5 AIRLIFT SQUADRONS (IF)	-	3.048	2.172	2.755	0.000	2.755
OTHACF / Combat Developments	-	0.147	0.151	0.152	0.000	0.152
CALL00 / Compass Call	-	50.172	2.228	10.618	0.000	10.618
V022A0 / CV-22 [212]	-	0.882	0.241	0.000	0.000	0.000
11U200 / Dragon U-2	-	0.673	11.900	0.000	0.000	0.000
E00300 / Airborne Warning and Control Systems (AWACS) [277]	-	22.061	23.539	15.448	0.000	15.448
E00400 / E-4B National Airborne Operations Center (NAOC)	-	5.338	1.072	1.061	0.000	1.061
F01500 / F-15A/B/C/D Squadrons	-	22.258	0.909	22.111	0.000	22.111
F15EWS / F-15 EPAWSS	-	0.000	0.000	4.034	0.000	4.034
F01500E / F-15E Squadrons	-	27.218	14.883	15.134	0.000	15.134
F01600 / F-16 Squadrons	-	2.059	14.417	11.235	0.000	11.235
F02200 / F-22A Squadrons [265]	-	5.164	8.538	3.745	0.000	3.745
ATA000 / F-35 Squadrons [198]	-	362.792	320.831	315.565	0.000	315.565
FBLOST / Family of Advanced BLoS Terminals (FAB-T) [199]	-	3.561	1.343	6.140	0.000	6.140
OTHACF / Full Combat Mission Training	-	1.822	0.219	0.000	0.000	0.000
H06000 / Combat Rescue HH-60	-	2.289	1.861	1.788	0.000	1.788
C01000 / KC-10s	-	0.089	0.067	0.030	0.000	0.030
C13500 / KC-135S	-	5.733	0.000	2.246	0.000	2.246
KC046A / KC-46A Tanker Squadrons [387]	-	322.383	413.373	365.028	0.000	365.028
PRDT01 / MQ-1 Predator A UAV	-	0.949	0.058	0.000	0.000	0.000
PRDTB1 / MQ-9 UAV [424]	-	87.943	174.243	103.890	84.000	187.890

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2019 Air Force						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 06 / 10		P-1 Line Item Number / Title: 000999 / Initial Spares/Repair Parts				Title: Initial Spares/Repair Parts	
End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2017 (\$ M)	FY 2018 (\$ M)	FY 2019 Base (\$ M)	FY 2019 OCO (\$ M)	FY 2019 Total (\$ M)	
JPATS0 / New AETC Aircraft Systems	-	0.000	2.046	0.590	0.000	0.590	
C02500 / VC-25	-	0.139	0.242	4.800	0.000	4.800	
DARP01 / Manned Reconnaissance Systems	-	47.734	49.475	49.520	0.000	49.520	
HAEUAV / RQ-4 UAV [252]	-	1.249	28.913	2.069	0.000	2.069	
T00100 / Undergraduate Pilot Training (UPT)	-	0.730	0.000	0.920	0.000	0.920	
Subtotal: Initial	-	1,013.994	1,171.019	956.408	91.500	1,047.908	
Total Cost (Initial + Replenishment)	-	1,013.994	1,171.019	956.408	91.500	1,047.908	

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment

P-1 Line Item Number / Title:
000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** 0202834F **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	28.587	110.455	101.263	81.241	32.529	113.770	96.322	137.695	140.682	145.872	98.841	973.487
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	28.587	110.455	101.263	81.241	32.529	113.770	96.322	137.695	140.682	145.872	98.841	973.487
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	28.587	110.455	101.263	81.241	32.529	113.770	96.322	137.695	140.682	145.872	98.841	973.487

(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:

FY17 funding totals include \$61.520M appropriated for Overseas Contingency Operation.

FY18 funding totals include \$25.417M appropriated for Overseas Contingency Operation.

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, servicing, and sortie generation requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system and directly contribute to aircraft availability and mission readiness. 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 (but not limited to): avionics test stations, miscellaneous aerospace ground equipment, aircraft handling equipment, aircraft maintenance stands, flight line compressors, air conditioners and heaters, aerial stores lift trucks (jammers) and weapon loading adapters, ammunition loaders and munitions assembly conveyors, cryogenic equipment, small and large munitions trailers, flight line generators and secondary power systems, electronic test sets, propulsion support equipment, calibration, optical and ancillary testers, 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.

PROGRAMS SUPPORTED:

Flight Line Air Conditioners/Heating, Ventilating and Air Conditioning (SEV)

The Flight Line Air Conditioner/Heating, Ventilating and Air Conditioning (HVAC) program will procure a combination of large and small, high and low pressure deployable air conditioners in support of all aircraft in the Air Force inventory. Its purpose is to provide conditioned air for supporting pre-flight activities and ground maintenance efforts for electronic laden aircraft supporting radar, avionic, and telemetry systems. The large air conditioners will replace three legacy systems (approx. 400 units): ACE802, PD-501 and DAC-110. The small air conditioners will replace 5 legacy systems (approx. 2,400 units): TUG AC-25D, MA-3D, C-5, C-19, and C-10D. Operational assessments determined that legacy air conditioners were not performing to their specified operating temperatures. These air conditioners are exceeding their 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. Due to obsolescence, continued modification of legacy equipment is not feasible and/or cost prohibitive. Lack of dependable air conditioning equipment continues

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment		P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0202834F	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>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 large and small Flight-Line Air Conditioner replacement programs.</p> <p>B-1B Advanced Radar/Electronic Warfare Test Station (ARTS) (ATS) 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-1B Radar/Electronic Warfare LRUs, and ultimately impacts B-1B mission capability for Global Attack missions. Failure to provide funding for ARTS will reduce B-1B mission capability due to non-availability of serviceable assets. The Automatic Test Equipment (ATE) presently supporting B-1B 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>Aerial Stores Lift Trucks (SEV) The Aerial Stores Lift Trucks program will recapitalize the fleet of 3,000 and 7,000 lbs class munitions loaders in the Air Force inventory with electric and diesel variants. Its purpose is to provide a safe, expedited, and reliable means of integrating munitions to the aircraft. The MJ-1 is an air transportable, nuclear-certified lift vehicle used to transport, load, and unload stores, including munitions, fuel tanks, and pylons, suspension equipment, and ammunition weighing up to 3,000 pounds onto/into the aircraft. The MHU-83 is an air transportable, nuclear-certified hydraulically operated lift vehicle used to load conventional and nuclear weapons up to 7,000 lbs. Both vehicles can be configured with a diesel engine for persistent flight line operations or electric motor to support loading of munitions in enclosed areas without exhaust health concerns. The new MHU-83 and MJ-1 systems will replace the legacy fleet of MJ-40, MHU-174, and 8 obsolete variants of the MHU-83 and MJ-1C. The current fleet of legacy lift trucks exceed their 20 year design life and are suffering from numerous obsolescence and supportability issues. Current one-time depot overhaul lines can not refurbish legacy systems in sufficient quantities to meet war fighter demands and serves only as a stopgap measure until recapitalization is complete. An already significantly aged fleet will continue to age leading to impacts to the operational tempo of the War fighter. Additionally this places a greater demand on the integrated product team (IPT) to source parts for an end item that was manufactured twenty to thirty years ago. Parts obsolescence continues to be a major concern for the future the 3,000 and 7,000 lbs lift vehicles.</p> <p>Aircraft Replacement Support Equipment Mods (SEV) The legacy munitions handling units (MHU) program consists of the MHU-196/M and MHU-204/M. These MHUs are unsustainable due to parts obsolescence and are experiencing uncommanded responses due to antiquated electronic and hydraulic systems as identified in the requirements documents (AF IMT 1067, Modification Proposals, Air Combat Command (ACC) 09-175 and ACC 09-176). The MHUs will be replaced by the modified MHU-196A/M and MHU-204A/M units. This program will extend the service life by assessing the structural integrity and repairing the legacy control and power system. The depot, OO-ALC, is expanding their facility production and investing in additional space, support equipment and manpower as part of depot activation. Program also alleviates part obsolescence and addresses diminishing manufacturing sources. Total non-recurring cost are for the depot activation: facilities, support equipment, and other support as required. The munitions lift trailers have met and exceeded the original service life of 20 years, and this effort is to provide an additional 20 years of service. For depot activation, PMA funding may be used for contract services in support of program office requirements, program office operations and program travel requirements. Group A kits are not required; all components parts are/will be stock listed, either by the Program Management Office, Defense Logistics Agency (DLA) and/or the Air Force Sustainment Center (AFSC). Assets are used in support of nuclear and conventional operations. Air Force Global Strike Command (AFGSC) requested a production time line of 8 years. In order to meet this, additional funding is required for depot activation.</p> <p>Items Less Than \$5M (SEV, ATS, AFSC) 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. Items for procurement include, but are not limited to, ammunition loaders, ground handling adapters, guards, and covers, spring testers, aircraft maintenance fixtures and kits, test adapter kits, transponder test sets, Common Munitions Built-in Test Reprogramming Equipment (CMBRE), maintenance stands, flight line generators, hydraulic test stands and pumping units, munitions and miscellaneous trailers, cryogenic equipment, propulsion support equipment, calibration, optical and ancillary testers, etc. These programs require Program Management Administration (PMA) for TDY and other government costs associated with program/contract required activities.</p>		
C-17 CONVERSION		

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment		P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0202834F	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>PE54214f - C-17 Strategic Airlift Squadrons (AFR-EQ): \$.346M is 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); the support equipment needs to be procured as it's not being transferred with the C-17 aircraft. 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. PE54121f required for an Air National Guard unit gaining C-17 aircraft as a part of RGM FMO-D to mitigate the retirement of Air National Guard C-130H aircraft.</p> <p>Common Aircraft Portable Reprogramming Equipment (CAPRE)(ATS) Common Aircraft Portable Reprogramming Equipment (CAPRE) replaces the Digital Computer System and 11 Program Loader Verifier devices in organizational and intermediate level shops. CAPRE reprograms aircraft computer software, updates threat data in electronic warfare pods, performs aircraft diagnostic troubleshooting, and supports automated technical orders. CAPRE consists of a mobile maintenance terminal, cables, interface modules, software, and Aircraft Adapter Groups (AAGs). Critical to CAPRE are the AAGs. AAGs connect CAPRE laptops, test equipment, and Line Replaceable Units (LRU) on support weapon systems. There are 10 to 26 AAGs required per CAPRE, depending on the aircraft type. Each AAG contains unique cables, connectors, interface module hardware, and software to support reprogramming LRUs. Each shop/location/platform utilizing the aircraft system requires AAGs. Mission-critical Operational Flight Programs (OFFPs) and mission data files are downloaded to the CAPRE laptop for the secure bulletin board and over secure telephone units. Personnel then transport CAPRE to the weapon system and use AAGs to upload files to avionics/electronic warfare computers. The CAPRE supports the following weapon systems: A-10, B-1, B-52, C-5, C-17, C-130, CV-22, F-15, F-16, H-60, and KC-46. CAPRE is the preferred MLV for the Air Force.</p> <p>Common Operational Level Tester (COLT)(ATS) COLT is used on B-2 and F-22 weapon systems and is Nuclear Certified. The Common Operational Level Tester (COLT) is a multiple application-based tester that allows the Air Force maintainers to perform maintenance task to verify the operational capability of aircraft armament and stores management systems/subsystems and armament components. It includes the tester unit, ancillary equipment and related software program, data and documentation. Funding for this effort will allow all obsolescent items within the tester to be updated. It also will allow updating of the software to meet Authority to Operate (ATO) conditions set in the Plan of Actions and Milestones that is coordinated with the COLT Authorizing Official.</p> <p>F-15 Secondary Power Source Test Set (SPSTS) (ATS) The F-15 Secondary Power System Test Set (SPSTS) provides organizational level fault isolation testing of the F-15C/D/E landing gear, secondary power systems, and engine starting system. The F-15 SPSTS will reduce retraction cycles from 3 to 1. It will allow test procedures to become automated and decreases maintenance time up to 50 percent. The SPSTS will replace a legacy test system that is obsolete and no longer supportable. Impact if not funded: There will be reduced testing capacity and increased maintenance cost associated with extended cycle time man-hours for F-15C/D/E models. The central gear box and jet fuel starter have been the top MICAP drivers for the F-15 in the past. There is currently no tester available that can test the modified secondary power system since the F-15 upgrade with the installation of upgraded Jet Fuel Starter/Ground Control Unit (JFS/GCU) wiring group A into F-15C/D aircraft. There are 21 critical backorders at this time and a total of 43.</p> <p>Hydraulic Servicing Equipment (SEV) The Hydraulic Servicing Equipment program will recapitalize over 44 legacy variants of hydraulic test stands in inventory. The universal hydraulic test stand (UHTS) comes in electric and diesel, 2-system and 3-system configurations, depending on aircraft and maintenance requirements. The universal hydraulic test stand (UHTS) provides pressure to aircraft hydraulic systems without running expensive engines and adds on-board hydraulic fluid purification capability to eliminate the need for standalone purifiers. To reduce the cost of ownership, simplify life cycle sustainment and improve global operations, the diesel and electric 2-system and 3-system variants share an 80-90% parts commonality and was designed with maintenance in mind. Legacy aircraft are challenged by parts obsolescence. The UHTS cleans hydraulic fluid to a higher purity than received from the manufacturer, drastically reducing the wear and tear and early age-out of aircraft component parts increasing aircraft availability and mission readiness.</p> <p>Joint Service Electronic Combat Systems Tester (JSECST) (ATS) 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, CV-22, F-15s, and F-16s. The JSECST is a defensive system tester, equipping the warfighter with safe and fully functional electronic combat systems.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment		P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0202834F	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

Small Munitions Trailers (SEV)

The program provides funding for the fleet wide replacement of the legacy MHU-110 and MHU-141 munitions trailers. These munitions trailers are on average 35 years old, representing nearly 2-times their design life. As a result, these trailers face parts obsolescence and are uneconomical to repair. The MHU-110v2 munitions trailer will be a flatbed carrier capable of transporting conventional munitions with the load up to 15,000 pounds. The MHU-141v2 munitions trailer will be a flatbed carrier that is nuclear certified and capable of transporting munitions with the load up to 8,400 pounds conventional and 5,600 nuclear. Both munitions trailers are designed for temporary storage and transport of a variety of munitions and stores to support fighters and bombers in the USAF inventory. Due to similarity in form and function between the MHU-110v2 and 141v2 trailers, they will both be procured under one program effort. PMA funds will support travel requirements to meet contractual obligations. Impact Statement: An already significantly aged fleet will continue to age leading to impacts to the operational tempo of the War fighter. Additionally this places a greater demand on the integrated product team (IPT) to source parts for an end item that was manufactured twenty to thirty years ago. Parts obsolescence continues to be a major concern for the future of the 110 and 141. Based on an economic analysis, conducted by the Acquisition Cost Divisions on Robins AFB, O&M cost to the field from FY12-31 is expected to be approximately \$333,468,790. The total cost to replace the legacy fleet over the next ten years would be approximately \$240,000,000.

The ATS described in this document were evaluated/approved by the ILCM 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.

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 & 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 & T-199), F-16 Aircraft Circuits Preload Test Set (ACPTS), and F-16 Stores System Tester (SST).

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&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&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.

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.

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
AF	Quantity	242	592	167	0	167	10	649	0	0
	Total Obligation Authority	105.599	99.397	81.241	32.529	113.770	96.322	117.715	139.912	145.082
AFNG	Quantity	4	9	0	0	0	0	0	1	1
	Total Obligation Authority	4.856	1.050	0.000	0.000	0.000	0.000	0.000	0.770	0.790
AFR	Quantity	0	7	0	0	0	0	0	0	0
	Total Obligation Authority	0.000	0.816	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total: Secondary Distribution	Quantity	246	608	167	0	167	10	649	1	1
	Total Obligation Authority	110.455	101.263	81.241	32.529	113.770	96.322	117.715	140.682	145.872

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment

P-1 Line Item Number / Title:
000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** 0202834F **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	AM32C-25 LARGE AIR CONDITIONER				- / -	- / 10.310	- / 4.852	- / 1.271	- / 0.000	- / 1.271
P-40a	Advanced Control Tester (ACT) Aircraft Engine Testing Equipment Program				- / -	- / 4.121	- / 0.000	- / 5.000	- / 0.000	- / 5.000
P-5	B-1B Advanced REW Test Station (ARTS)	P-5a	A		- / 11.064	- / 9.400	- / 3.050	- / 5.110	- / 0.000	- / 5.110
P-40a	Aerial Stores Lift Trucks				- / -	- / 2.136	- / 16.836	- / 3.724	- / 0.000	- / 3.724
P-3a	1 / MHU-196/204 SLEP (Service Life Extension)		B		- / 17.523	- / 10.840	- / 0.000	- / 7.037	- / 0.000	- / 7.037
P-40a	BP12 ITEMS LESS THAN 5 MILLION DOLLARS				- / -	- / 1.757	- / 24.679	- / 8.685	- / 32.529	- / 41.214
P-5	COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE)		A		- / -	- / 20.000	- / 7.782	- / 12.009	- / 0.000	- / 12.009
P-5	COMMON ORGANIZATIONAL LEVEL TESTER (COLT)	P-5a	B		- / -	- / 9.105	- / 4.900	- / 0.000	- / 0.000	- / 0.000
P-40a	Cruise Missile Automatic Test System				- / -	- / 4.700	- / -	- / 0.000	- / 0.000	- / 0.000
P-5	F-15 SECONDARY POWER SOURCE TEST SET (SPSTS)	P-5a	B		- / -	- / 0.000	- / 4.224	- / 0.000	- / 0.000	- / 0.000
P-40a	Flight Line Generators				- / -	- / -	- / -	- / 2.860	- / -	- / 2.860
P-40a	Hydraulic Servicing Equipment				- / -	- / 21.085	- / 15.790	- / 13.375	- / 0.000	- / 13.375
P-5	SMALL MUNITIONS TRAILERS RECAP (MHU-110/141)	P-5a	A		- / -	- / 0.000	- / 10.785	- / 11.000	- / 0.000	- / 11.000
P-40a	JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER (JSECST)				- / -	- / 17.001	- / 8.365	- / 11.170	- / 0.000	- / 11.170
P-40	Total Gross/Weapon System Cost				- / 28.587	- / 110.455	- / 101.263	- / 81.241	- / 32.529	- / 113.770

Exhibits Schedule					FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	AM32C-25 LARGE AIR CONDITIONER				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Advanced Control Tester (ACT) Aircraft Engine Testing Equipment Program				- / -	- / -	- / -	- / -	- / -	- / -
P-5	B-1B Advanced REW Test Station (ARTS)	P-5a	A		- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Aerial Stores Lift Trucks				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	1 / MHU-196/204 SLEP (Service Life Extension)		B		- / 18.847	- / 19.117	- / 19.266	- / 94.166	- / 98.841	- / 285.637
P-40a	BP12 ITEMS LESS THAN 5 MILLION DOLLARS				- / -	- / -	- / -	- / -	- / -	- / -
P-5	COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE)		A		- / -	- / -	- / -	- / -	- / -	- / -
P-5	COMMON ORGANIZATIONAL LEVEL TESTER (COLT)	P-5a	B		- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Cruise Missile Automatic Test System				- / -	- / -	- / -	- / -	- / -	- / -
P-5	F-15 SECONDARY POWER SOURCE TEST SET (SPSTS)	P-5a	B		- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Flight Line Generators				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Hydraulic Servicing Equipment				- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment **P-1 Line Item Number / Title:** 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** 0202834F **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	SMALL MUNITIONS TRAILERS RECAP (MHU-110/141)	P-5a	A		- / -	- / -	- / -	- / -	- / -	- / -
P-40a	JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER (JSECST)				- / -	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 96.322	- / 137.695	- / 140.682	- / 145.872	- / 98.841	- / 973.487

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.
 Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 This program, BOMBER ARMAMENT TESTER (BAT) P-5, is a new start.
 This program, AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT P-40A Item Flight Line Generator, is a new start.

FY19 procurement dollars procures support equipment items, Program Management Administration (PMA), and other government associated costs in support of installation and unit mission requirements for Air Force personnel. PMA may include studies for DMSMS actions.

FY19 OCO dollars procures support equipment items in support of the European Contingency Air Operations System (ECAOS)/Deployable Air Base System (DABS) - Facilities, Equipment, and Vehicles (FEV).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1							P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT								Aggregated Items Title: A/M32C-25 LARGE AIR CONDITIONER				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
LARGE AIR CONDITIONER	A		-	-	-	0.382	27	10.310	0.243	20	4.852	0.254	5	1.271	-	-	0.000	0.254	5	1.271
<i>Secondary Distribution</i>																				
AF			-	-	-	-	23	5.454	-	20	4.852	-	5	1.271	-	-	0.000	-	5	1.271
AFNG			-	-	-	-	4	4.856	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Uncategorized			-	-	-	-	-	10.310	-	-	4.852	-	-	1.271	-	-	0.000	-	-	1.271
Total			-	-	-	-	-	10.310	-	-	4.852	-	-	1.271	-	-	0.000	-	-	1.271

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

Remarks:

Unit Costs for FY19 are assumed and subject to change.

Exact quantities may vary from what is forecasted based on real world requirements and priorities as established by the Major Commands. Deviations will be updated in the next budget cycle.

In FY19, the program name formally referenced as Flight Line Air Conditioning and A/M32C-25 Large Air Conditioner is updated to Flight Line Heating, Ventilating and Air Conditioning (HVAC).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1					P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT					Aggregated Items Title: Advanced Control Tester (ACT) Aircraft Engine Testing Equipment Program									

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Advanced Control Tester (ACT)	A		-	-	-	-	-	4.121	-	-	0.000	-	-	5.000	-	-	0.000	-	-	5.000
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	4.121	-	-	0.000	-	-	5.000	-	-	0.000	-	-	5.000
Subtotal: Uncategorized			-	-	-	-	-	4.121	-	-	0.000	-	-	5.000	-	-	0.000	-	-	5.000
Total			-	-	-	-	-	4.121	-	-	0.000	-	-	5.000	-	-	0.000	-	-	5.000

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

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Item Number / Title [DODIC]: B-1B Advanced REW Test Station (ARTS)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	11.064	9.400	3.050	5.110	0.000	5.110
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	11.064	9.400	3.050	5.110	0.000	5.110
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	11.064	9.400	3.050	5.110	0.000	5.110

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
Advanced RE/W Test Station ^(†)	0.922	12	11.064	-	-	2.794	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	11.064	-	-	2.794	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	11.064	-	-	2.794	-	-	-	-	-	-	-	-	-	-	-	-
Support - Support End Item Cost																		
ICS	-	-	-	-	-	6.100	-	-	2.600	-	-	4.600	-	-	-	-	-	4.600
PMA Other Government Costs	-	-	-	-	-	0.106	-	-	0.050	-	-	0.108	-	-	-	-	-	0.108
IV&V	-	-	-	-	-	0.400	-	-	0.400	-	-	0.402	-	-	-	-	-	0.402
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	6.606	-	-	3.050	-	-	5.110	-	-	-	-	-	5.110
Gross/Weapon System Cost	-	-	11.064	-	-	9.400	-	-	3.050	-	-	5.110	-	-	0.000	-	-	5.110

Remarks:

FY19 PMA dollars in the amount of \$108K will be used for the necessary travel associated with fielding the ARTS.

Secondary Distribution	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
AF Quantity	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Item Number / Title [DODIC]: B-1B Advanced REW Test Station (ARTS)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
	Total Obligation Authority	9.400	3.050	5.110	-	5.110
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	9.400	3.050	5.110	0.000	5.110

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force							Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1			P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT				Item Number / Title [DODIC]: B-1B Advanced REW Test Station (ARTS)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Advanced RE/W Test Station		2014	AAI Corporation / 124 Industry LN Hunt Valley MD 21030-3342	C / FFP	AFLCMC/WN - Agile Combat Systems	Jul 2016	Sep 2017	7	0.921	Y		Nov 2011
Advanced RE/W Test Station		2015	AAI Corporation / 124 Industry LN Hunt Valley MD 21030-3342	C / FFP	AFLCMC/WN - Agile Combat Systems	Jan 2016	Mar 2017	1	0.927	Y		Nov 2011
Advanced RE/W Test Station		2016	AAI Corporation / 124 Industry LN Hunt Valley MD 21030-3342	C / FFP	AFLCMC/WN - Agile Combat Systems	Jul 2016	Mar 2018	4	0.922	Y		Nov 2011

Remarks:
The request for proposal was released on Nov 2011 and the Basic Contract FA8533-12-D-0006 was awarded in July 2012 that included four option years. The first three option years were exercised using FY14, FY15 and FY16 funding, and the final option year will be exercised using FY17 dollars.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1							P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT								Aggregated Items Title: Aerial Stores Lift Trucks				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware																				
MJ-1C	A		-	-	-	0.096	15	1.440	0.096	85	8.200	0.096	20	1.920	-	-	0.000	0.096	20	1.920
<i>Secondary Distribution</i>																				
AF			-	-	-		15	1.440		85	8.200		20	1.920		-	0.000		20	1.920
MHU-83	A		-	-	-	0.127	5	0.635	0.127	68	8.636	0.127	14	1.778	-	-	0.000	0.127	14	1.778
<i>Secondary Distribution</i>																				
AF				-	-		5	0.635		68	8.636		14	1.778		-	0.000		14	1.778
Subtotal: Hardware			-	-	-	-	-	2.075	-	-	16.836	-	-	3.698	-	-	0.000	-	-	3.698
Support Cost																				
PMA Other Government Cost	A		-	-	-	-	-	0.061	-	-	-	-	-	0.026	-	-	0.000	-	-	0.026
<i>Secondary Distribution</i>																				
AF				-	-		-	0.061		-	-		-	0.026		-	0.000		-	0.026
Subtotal: Support Cost			-	-	-	-	-	0.061	-	-	-	-	-	0.026	-	-	0.000	-	-	0.026
Total			-	-	-	-	-	2.136	-	-	16.836	-	-	3.724	-	-	0.000	-	-	3.724

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

Remarks:
Unit costs are assumed and subject to change.

Exact quantities may vary based on real world requirements and priorities as established by the Major Commands. Deviations will be updated in the next budget cycle.

FY19 PMA dollars will be used for the necessary travel associated with equipment fielding and replacements.

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Exhibit P-3a, Individual Modification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Modification Number / Title: 1 / MHU-196/204 SLEP

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	17.523	10.840	0.000	7.037	0.000	7.037	18.847	19.117	19.266	94.166	98.841	285.637
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	17.523	10.840	0.000	7.037	0.000	7.037	18.847	19.117	19.266	94.166	98.841	285.637
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	17.523	10.840	0.000	7.037	0.000	7.037	18.847	19.117	19.266	94.166	98.841	285.637

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

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

Description:

The legacy munitions handling units (MHU) program consists of the MHU-196/M and MHU-204/M. These MHUs are unsustainable due to parts obsolescence and are experiencing uncommand responses due to antiquated electronic and hydraulic systems as identified in the requirements documents (AF IMT 1067, Modification Proposals, ACC 09-175 and ACC 09-176). The MHUs will be replaced by the modified MHU-196A/M and MHU-204A/M units. This program will extend the service life by assessing the structural integrity and repairing the legacy control and power system. The depot, OO-ALC, is/may be expanding their facility production and investing in additional space, support equipment and manpower as part of depot activation. Program also alleviates part obsolescence and addresses diminishing manufacturing sources. Total non-recurring cost are for the depot activation: facilities, support equipment, and other support as required. The munitions lift trailers have met and exceeded the original service life of 20 years, and this effort is to provide an additional 20 years of service. To support modification effort, PMA funding may be used for A&AS support, tech data validation/verification and program travel requirements. Group A kits are not required; all components parts are/will be stock listed, either by the Program Management Office, Defense Logistics Agency (DLA) and/or the Air Force Sustainment Center (AFSC). Assets are used in support of nuclear and conventional operations. Air Force Global Strike Command (AFGSC) requested a production timeline of 8 years. In order to meet this, additional funding is required for depot activation. PMA Justification: The program team will use PMA to allow the USAF program office to assist in planning support needed to produce and install the modification, oversee the modification, evaluate engineering change proposals and help resolve technical issues. PMA will also support program management reviews (PMRs) to discuss production schedules, as well as current programmatic /technical issues and impacts to the program. Impact if PMA not funded: Increases programmatic risk to the USAF program office by not being able to provide program support to resolve cost, schedule or technical issues in a timely manner that could result in delays. Degradation of the modification program will directly affect operational safety, suitability and effectiveness of transporting and handling conventional and nuclear munitions. This affects the support of strategic, long range bombing throughout the world. Group B Non-recurring includes the Depot activation Costs for FY14-17. A larger facility (Bldg. 850 is required to accommodate the production required to satisfy AFGSC time line requirement of an 8 year program. It also includes the contract issues by the depot production process and technical documentation requirements. Group B kits represent MHU inducted by the depot for SLEP. Group A kits are not required; all components parts are/will be stock listed, either by the Program Management Office, Defense Logistics Agency (DLA) and/or the Air Force Sustainment Center (AFSC). Total Non-recurring cost are for the depot activation: facilities, support equipment, and other support as required. Impact if not funded: The program would cease to exist. Alternate sources for production would be need to be acquired which will delay any SLEP production for at least 12-18 months. Other Government Cost includes: Testing required for Nuclear Certification and unknown miscellaneous support/expenses associated with the Nuclear Certification. Impact if Other Government Cost not funded: Since the MLT/MHU(Munitions Lift Trailer/Munitions Handling Unit) is controlled by software and trailer are required to be nuclear certified, the lack of funding would gravely degraded the capability of the MHU mission because MHU production could not be fielded without stable software configuration and maintenance and nuclear certification. The legacy munitions handling units (MHU) program consists of the MHU-196/M and MHU-204/M. These MHUs will be replaced by the modified MHU-196A/M and MHU-204A/M units. The legacy MHUs are unsustainable due to parts obsolescence and are experiencing uncommand responses due to antiquated electronic and hydraulic systems as identified in the requirements documents (AF IMT 1067, Modification Proposals, ACC 09-175 and ACC 09-176). The depot, OO-ALC, is/may be expanding their facility production and investing in additional space, support equipment and manpower as part of depot activation. This modification is a service life extension program (SLEP) that will extend the service life by assessing the structural

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Exhibit P-3a, Individual Modification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Modification Number / Title: 1 / MHU-196/204 SLEP

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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integrity and replacing the legacy control and power system with commercial programmable automation controllers. Program also alleviates part obsolescence and addresses diminishing manufacturing sources. Total Non-recurring cost are for the depot activation: facilities, support equipment, and other support as required. The munitions lift trailers have met and exceeded the original service life of 20 years, and this effort is to provide an additional 20 years of service. To support modification effort, PMA funding may be used for A&AS support, tech data validation/verification and program travel requirements. Group A kits are not required; all components parts are/will be stock listed, either by the Program Management Office, Defense Logistics Agency (DLA) and/or the Air Force Sustainment Center (AFSC). Assets are used in support of nuclear and conventional operations. Air Force Global Strike Command (AFGSC) requested a production timeline of 8 years. In order to meet this, additional funding is required for depot activation.

PMA Justification: The program team will use PMA to allow the USAF program office to assist in planning support needed to produce and install the modification, oversee the modification, evaluate engineering change proposals and help resolve technical issues. PMA will also support program management reviews (PMRs) to discuss production schedules, as well as current programmatic /technical issues and impacts to the program.

Impact if PMA not funded: Increases programmatic risk to the USAF program office by not being able to provide program support to resolve cost, schedule or technical issues in a timely manner that could result in delays. Degradation of the modification program will directly affect operational safety, suitability and effectiveness of transporting and handling conventional and nuclear munitions. This affects the support of strategic, long range bombing throughout the world.

Group B Non-recurring includes the Depot activation Costs for FY14-17. A larger facility (Bldg. 850 is required to accommodate the production required to satisfy AFGSC time line requirement of an 8 year program. It also includes the contract issues by the depot production process and technical documentation requirements.

Group B kits represent MHU inducted by the depot for SLEP.
Group A kits are not required; all components parts are/will be stock listed, either by the Program Management Office, Defense Logistics Agency (DLA) and/or the Air Force Sustainment Center (AFSC). Total Non-recurring cost are for the depot activation: facilities, support equipment, and other support as required.

Impact if not funded: The program would cease to exist. Alternate sources for production would be need to be acquired which will delay any SLEP production for at least 12-18 months.

Other Government Cost includes: Testing required for Nuclear Certification and unknown miscellaneous support/expenses associated with the Nuclear Certification.

Impact if Other Government Cost not funded: Since the MLT/MHU(Munitions Lift Trailer/Munitions Handling Unit) is controlled by software and trailer are required to be nuclear certified, the lack of funding would gravely degraded the capability of the MHU mission because MHU production could not be fielded without stable software configuration and maintenance and nuclear certification.–

Milestone/Development Status

Studies have been accomplished providing necessary technical data to extend the service life of the fleet to meet mission needs. These studies addressed obsolescence and component level repair and sustainment issues.

The program has accomplished maintainer/operator evaluation of the prototype trailer and is executing changes as a result of user feedback. Additionally, the depot started disassembly/reassembly of a legacy trailer, allowing them to create the production control documents and processes required to produce the final SLEP trailers.

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.840	-	7.037	-	7.037	18.847	19.117	19.266	94.166
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.840	0.000	7.037	0.000	7.037	18.847	19.117	19.266	94.166

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force											Date: February 2018		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1				P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT							Modification Number / Title: 1 / MHU-196/204 SLEP		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: MHU-196, 204				Modification Type: Service Life Extension				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> MLT Mod Kit													
B Kits													
Recurring													
MLT Mod Kit:EQUIPMENT Group B (Active)	- / -	2 / 1.079	- / -	- / -	- / -	- / -	9 / 6.123	9 / 7.513	9 / 7.637	42 / 37.459	40 / 40.455	111 / 100.266	
<i>Subtotal: Recurring</i>	- / -	- / 1.079	- / -	- / -	- / -	- / -	- / 6.123	- / 7.513	- / 7.637	- / 37.459	- / 40.455	- / 100.266	
<i>Subtotal: MLT Mod Kit</i>	- / -	- / 1.079	- / -	- / -	- / -	- / -	- / 6.123	- / 7.513	- / 7.637	- / 37.459	- / 40.455	- / 100.266	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 1.079	- / -	- / -	- / -	- / -	- / 6.123	- / 7.513	- / 7.637	- / 37.459	- / 40.455	- / 100.266	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 15.677	- / 6.606	- / -	- / 6.210	- / -	- / 6.210	- / -	- / -	- / -	- / -	- / -	- / 28.493	
SUPPORT-EQUIP	- / 1.340	- / 0.692	- / -	- / 0.692	- / -	- / 0.692	- / -	- / -	- / -	- / -	- / -	- / 2.724	
PMA - Other Gov't Costs	- / 0.506	- / 0.127	- / -	- / 0.135	- / -	- / 0.135	- / 0.107	- / 0.109	- / 0.111	- / 0.113	- / 0.114	- / 1.322	
OTHER GOVT	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.550	- / 0.242	- / 0.079	- / 0.113	- / 0.114	- / 2.098	
<i>Subtotal: Support</i>	- / 17.523	- / 7.425	- / -	- / 7.037	- / -	- / 7.037	- / 1.657	- / 0.351	- / 0.190	- / 0.226	- / 0.228	- / 34.637	
Installation													
<i>Modification Item 1 of 1:</i> MLT Mod Kit	- / -	2 / 2.336	- / -	- / -	- / -	- / -	9 / 11.067	9 / 11.253	9 / 11.439	42 / 56.481	40 / 58.158	111 / 150.734	
<i>Subtotal: Installation</i>	- / -	2 / 2.336	- / -	- / -	- / -	- / -	9 / 11.067	9 / 11.253	9 / 11.439	42 / 56.481	40 / 58.158	111 / 150.734	
Total													
Total Cost (Procurement + Support + Installation)	17.523	10.840	0.000	7.037	0.000	7.037	18.847	19.117	19.266	94.166	98.841	285.637	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Modification Number / Title: 1 / MHU-196/204 SLEP

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
---	------------------------

Modification Item 1 of 1: MLT Mod Kit

Manufacturer Information

Manufacturer Name: Depot/ALC	Manufacturer Location: Hill AFB, Utah
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 4

Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Apr 2017	Apr 2018	Apr 2019	Apr 2020	Apr 2021	Apr 2022	Apr 2023
Delivery Dates	Aug 2017	Aug 2018	Aug 2019	Aug 2020	Aug 2021	Aug 2022	Aug 2023

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	2 / 2.336	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.336
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	9 / 11.067	- / -	- / -	- / -	- / -	9 / 11.067
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 11.253	- / -	- / -	- / -	9 / 11.253
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 11.439	- / -	- / -	9 / 11.439
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	42 / 56.481	- / -	42 / 56.481
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 58.158	40 / 58.158
Total	- / -	2 / 2.336	- / -	- / -	- / -	- / -	9 / 11.067	9 / 11.253	9 / 11.439	42 / 56.481	40 / 58.158	111 / 150.734

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	6	3	-	-	6	3	-	-	6	3	-	15	15	12	40	112
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	9	-	6	3	-	-	6	3	-	-	6	3	15	44	112

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1					P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT										Aggregated Items Title: BP12 ITEMS LESS THAN 5 MILLION DOLLARS				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
AUTOMATIC TEST SYSTEMS (ATS)																				
TEST SET, TRANSPONDER (IFF) (ATS)	A		-	-	-	-	-	0.180	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.180	-	-	-	-	-	-	-	-	-	-	-	-
COMMON MUNITIONS BUILT-IN TEST REPROGRAMMING EQUIPMENT (CMBRE) (ATS)	A		-	-	-	-	-	1.231	-	-	-	-	-	0.100	-	-	-	-	-	0.100
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	1.231	-	-	-	-	-	0.100	-	-	-	-	-	0.100
Test Measurement Diagnostic Equipment (TMDE)	A		-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
Cyber Security Upgrades/Support	A		-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
Armament Test Sets	A		-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
Subtotal: AUTOMATIC TEST SYSTEMS (ATS)			-	-	-	-	-	1.411	-	-	-	-	-	0.400	-	-	-	-	-	0.400
SUPPORT EQUIPMENT AND VEHICLES (SEV)																				
FAST CHARACTERIZATION TOOL (FACT) 4920015711970RN (SEV)	A		-	-	-	-	-	0.000	0.328	10	3.278	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.000	-	10	3.278	-	-	-	-	-	-	-	-	-
FAST CHARACTERIZATION TOOL (FACT) 4920015654320RN (SEV)	A		-	-	-	-	-	0.000	0.342	9	3.078	0.342	2	0.684	-	-	-	0.342	2	0.684
<i>Secondary Distribution</i>																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1					P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT										Aggregated Items Title: BP12 ITEMS LESS THAN 5 MILLION DOLLARS				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
AF			-	-	-	0.000		9	3.078			2	0.684			-	-			2	0.684
T-56 ENGINE ENCLOSURES 4920015902905RN (SEV)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLIGHT LINE GENERATORS (SEV)	A		-	-	-	-	-	0.060	55	3.315	0.362	8	2.896	-	-	-	0.362	8	2.896		
<i>Secondary Distribution</i>																					
AF			-	-	-	-	-	-	55	3.315	-	8	2.896	-	-	-	-	-	-	8	2.896
B-1 MAINTENANCE STANDS 1730015544187RN (SEV)	A		-	-	-	-	-	0.013	149	1.876	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																					
AF			-	-	-	-	-	-	149	1.876	-	-	-	-	-	-	-	-	-	-	-
B-4 MAINTENANCE STANDS 1730015554366RN (SEV)	A		-	-	-	-	-	0.011	99	1.056	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																					
AF			-	-	-	-	-	-	99	1.056	-	-	-	-	-	-	-	-	-	-	-
A/M24T-16 LOAD BANK (SEV)	A		-	-	-	-	-	-	-	-	0.250	2	0.500	-	-	-	0.250	2	0.500		
<i>Secondary Distribution</i>																					
AF			-	-	-	-	-	-	-	-	-	2	0.500	-	-	-	-	-	-	2	0.500
MISC AGE for ECAOS/DABS - FEV (SEV)	A		-	-	-	-	-	-	-	5.649	-	-	-	-	-	32.008	-	-	-	-	32.008
<i>Secondary Distribution</i>																					
AF			-	-	-	-	-	-	-	5.649	-	-	-	-	-	32.008	-	-	-	-	32.008
PMA CONTRACTOR SERVICES	A		-	-	-	-	-	-	-	0.279	-	-	0.100	-	-	-	-	-	-	-	0.100
<i>Secondary Distribution</i>																					
AF			-	-	-	-	-	-	-	0.279	-	-	0.100	-	-	-	-	-	-	-	0.100
PMA OTHER GOVERNMENT COSTS (SEV)	A		-	-	-	-	-	0.000	-	-	0.000	-	-	0.100	-	-	-	-	-	-	0.100
<i>Secondary Distribution</i>																					
AF			-	-	-	-	0.000	-	-	0.000	-	-	0.100	-	-	-	-	-	-	-	0.100
ADVANCED CONTROL TESTER (ACT) (SEV)	A		-	-	-	-	0.000	0.363	13	4.719	0.370	10	3.698	-	-	-	0.370	10	3.698		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1					P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT										Aggregated Items Title: BP12 ITEMS LESS THAN 5 MILLION DOLLARS				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<i>Secondary Distribution</i>																					
AF				-	-		-	0.000		13	4.719		10	3.698		-	-		10	3.698	
Subtotal: SUPPORT EQUIPMENT AND VEHICLES (SEV)			-	-	-	-	0.000	-	-	23.250	-	-	7.978	-	-	32.008	-	-	39.986		
AIR FORCE SUSTAINMENT CENTER (OC-ALC)																					
FSC 1730 AIRCRAFT GROUND SERVICING EQUIPMENT (OC)	A			-	-		-	-	0.022	1	0.022	0.020	8	0.160		-	-	0.020	8	0.160	
<i>Secondary Distribution</i>																					
AF				-	-		-	-		1	0.022		8	0.160		-	-		8	0.160	
FSC 3940 BLOCK, TACKLE, RIGGING, SLING (OC)	A			-	-		-	-	0.010	2	0.020					-	-		-	-	
<i>Secondary Distribution</i>																					
AF				-	-		-	-		2	0.020		-	-		-	-		-	-	
FSC 3990 MISCELLANEOUS MATERIALS HANDLING EQUIPMENT (OC)	A			-	-		0.010	2	0.020		-	-	-	-		-	-		-	-	
<i>Secondary Distribution</i>																					
AF				-	-		2	0.020		-	-		-	-		-	-		-	-	
FSC 4920 AIRCRAFT MAINT SHOP SPECIALIZED EQP (OC)	A			-	-		0.013	12	0.154	0.003	1	0.003	0.020	5	0.100		-	-	0.020	5	0.100
<i>Secondary Distribution</i>																					
AF				-	-		12	0.154		1	0.003		5	0.100		-	-		5	0.100	
FSC 4935 GUIDED MISSILE MAINTENANCE, REP, AND CHECKOUT SPECIALIZED EQUIPMENT (OC)	A			-	-		0.007	1	0.007		-	-	0.007	4	0.028		-	-	0.007	4	0.028
<i>Secondary Distribution</i>																					
AF				-	-		1	0.007		-	-		4	0.028		-	-		4	0.028	
FSC 5120 HAND TOOLS, NON-EDGED, NON-POWERED (OC)	A			-	-		0.006	1	0.006		-	-		-		-	-		-	-	
<i>Secondary Distribution</i>																					

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Aggregated Items Title: BP12 ITEMS LESS THAN 5 MILLION DOLLARS
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
AF			-	-	-	1	0.006	-	-	-	-	-	-	-	-	-	-	-	-	
FSC 5130 HAND TOOLS, POWER DRIVE (OC)	A		-	-	-	-	-	-	-	-	-	0.005	1	0.005	-	-	-	0.005	1	0.005
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	-	1	0.005	-	-	-	-	1	0.005
FSC 5180 SPECIALIZED EQUIPMENTS, KITS, OUTFITS/HAND TOOLS (OC)	A		-	-	-	0.021	3	0.062	0.004	1	0.004	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	3	0.062	-	1	0.004	-	-	-	-	-	-	-	-	-
FSC 6625 ELECTRICAL AND ELECTRONIC PROPERTIES MEASURING, TEST INSTRUMENTS (OC)	A		-	-	-	0.097	1	0.097	0.250	1	0.250	0.002	1	0.002	-	-	-	0.002	1	0.002
<i>Secondary Distribution</i>																				
AF			-	-	-	-	1	0.097	-	1	0.250	-	1	0.002	-	-	-	-	1	0.002
FSC 6635 PHYSICAL PROPERTIES TESTING AND INSPECTION EQUIPMENT (OC)	A		-	-	-	-	-	-	-	-	-	0.006	2	0.012	-	-	-	0.006	2	0.012
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	-	2	0.012	-	-	-	-	2	0.012
Subtotal: AIR FORCE SUSTAINMENT CENTER (OC-ALC)			-	-	-	-	-	0.346	-	-	0.299	-	-	0.307	-	-	-	-	-	0.307
OTHER																				
F-16 SQUADRON	A		-	-	-	-	-	-	-	-	1.130	-	-	-	-	-	0.521	-	-	0.521
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	1.130	-	-	-	-	-	0.521	-	-	0.521
Subtotal: OTHER			-	-	-	-	-	-	-	-	1.130	-	-	-	-	-	0.521	-	-	0.521
Total			-	-	-	-	-	1.757	-	-	24.679	-	-	8.685	-	-	32.529	-	-	41.214

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

Remarks:
FEDERAL STOCK CLASS (FSC)
Automatic Test Systems (ATS)

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Aggregated Items Title: BP12 ITEMS LESS THAN 5 MILLION DOLLARS
<p>FY19 procurement dollars will be used in support of the Common Munitions Built-in Test Reprogramming Equipment (CMBRE), purchase/upgrades of Armament Test Sets, purchase of Test Measurement Diagnostic Equipment, hardware, TPS and other support to ensure cyber secure Automatic Test Systems.</p> <p>PMA Other Government Costs applies to travel, cyber support, and other government costs in support of Automatic Test Systems programs and the Automatic Test System program office. Programs include, but are not limited to, CMBRE (Common Munitions BIT Reprogrammable Equipment), CMBRE costs include cable purchases and power distribution units (PDU).</p> <p>TMDE supports 5 programs : TMDE Analyzer, TMDE Calibrators, TMDE Generic, TMDE Meters, and TMDE Test Sets.</p> <p>Support Equipment and Vehicles (SE&V) PMA for SEV supports the operation of the program office in its management and oversight role via travel, procurement of supplies and Advisory and Administrative Services (A&AS).</p> <p>ECAOS/DABS-FEV = European Contingency Air Operations Set/Deployable Air Base System - Facilities, Equipment, and Vehicles</p>		

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Item Number / Title [DODIC]: COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	20.000	7.782	12.009	0.000	12.009
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	20.000	7.782	12.009	0.000	12.009
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	20.000	7.782	12.009	0.000	12.009

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE) Cost																		
Recurring Cost																		
Mobile Maintenance Terminal	-	-	-	-	-	-	0.015	328	4.920	0.015	265	3.975	-	-	0.000	0.015	265	3.975
Cable Sets and Case	-	-	-	0.017	1,200	20.000	0.070	32	2.240	0.049	158	7.783	-	-	0.000	0.049	158	7.783
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	20.000	-	-	7.160	-	-	11.758	-	-	0.000	-	-	11.758
Subtotal: Hardware - COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE) Cost	-	-	-	-	-	20.000	-	-	7.160	-	-	11.758	-	-	0.000	-	-	11.758
Software - COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE) Cost																		
Recurring Cost																		
AAG Development (Re-host)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	0.000
Subtotal: Software - COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE) Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	0.000
Logistics - COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE) Cost																		
Non Recurring Cost																		

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Item Number / Title [DODIC]: COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Drawings	-	-	-	-	-	-	-	-	0.250	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	0.250	-	-	-	-	-	-	-	-	-
<i>Subtotal: Logistics - COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE) Cost</i>	-	-	-	-	-	-	-	-	0.250	-	-	-	-	-	-	-	-	-
Support - COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE) Cost																		
PMA Other Government Services	-	-	-	-	-	0.000	-	-	0.372	-	-	0.251	-	-	0.000	-	-	0.251
<i>Subtotal: Support - COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE) Cost</i>	-	-	-	-	-	0.000	-	-	0.372	-	-	0.251	-	-	0.000	-	-	0.251
Gross/Weapon System Cost	-	-	-	-	-	20.000	-	-	7.782	-	-	12.009	-	-	0.000	-	-	12.009

Remarks:
FY19 funds will be used for production activities for the cyber secure Common Aircraft Portable Reprogramming Equipment Memory Loader Verifier. (CAPRE-MLV)

FY19 CAPRE funds will be used to purchase full CAPRE memory loader verifier (MLV) and accessory equipment for the CAPRE MLV. FY19 funding will also be used produce cables and cables sets and procure replacement laptops. Cable Sets include an average of 35 to 52 cables and cases for cables.

FY19 PMA dollars in the amount of (\$25,000.00) will be used for the necessary travel and A&AS support associated with for CAPRE production activities.

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	20.000	7.782	12.009	0.000	12.009
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	20.000	7.782	12.009	0.000	12.009

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Item Number / Title [DODIC]: COMMON ORGANIZATIONAL LEVEL TESTER (COLT)

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	9.105	4.900	0.000	0.000	0.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	9.105	4.900	0.000	0.000	0.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	9.105	4.900	0.000	0.000	0.000

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - COMMON ORGANIZATIONAL LEVEL TESTER (COLT) Cost																		
Non Recurring Cost																		
Colt upgraded Power (Pure Mods version ^(†))	-	-	-	0.077	52	4.000	0.077	26	2.002	-	-	-	-	-	-	-	-	-
Colt Standard Version ^(†)	-	-	-	0.095	40	3.800	0.095	28	2.660	-	-	-	-	-	-	-	-	-
Power Supplies ^(†)	-	-	-	0.010	10	0.100	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	7.900	-	-	4.662	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - COMMON ORGANIZATIONAL LEVEL TESTER (COLT) Cost</i>	-	-	-	-	-	7.900	-	-	4.662	-	-	-	-	-	-	-	-	-
Logistics - COMMON ORGANIZATIONAL LEVEL TESTER (COLT) Cost																		
Non Recurring Cost																		
Tech Data	-	-	-	-	-	0.735	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.735	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Logistics - COMMON ORGANIZATIONAL LEVEL TESTER (COLT) Cost</i>	-	-	-	-	-	0.735	-	-	-	-	-	-	-	-	-	-	-	-
Support - COMMON ORGANIZATIONAL LEVEL TESTER (COLT) Cost																		

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Item Number / Title [DODIC]: COMMON ORGANIZATIONAL LEVEL TESTER (COLT)
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
PMA Other Government Costs	-	-	-	-	-	0.141	-	-	0.076	-	-	0.000	-	-	0.000	-	-	0.000
PMA Contractor Services	-	-	-	-	-	0.329	-	-	0.162	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - COMMON ORGANIZATIONAL LEVEL TESTER (COLT) Cost</i>	-	-	-	-	-	0.470	-	-	0.238	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost	-	-	-	-	-	9.105	-	-	4.900	-	-	0.000	-	-	0.000	-	-	0.000

Remarks:

COLT is a Nuclear certified tester for B-2 and F-22 aircraft.

The current COLT tester has supportability issues, (obsolescence and thermal), and poor reliability rates as there is an average 42% annual failure rate which drive high sustainment costs. The gov't assumes a lot of risk with obsolescent parts, living off repairs that could abruptly end would directly impact both the F-22 and B-2 weapon systems. Operating system update feeds into the COLT ATO that mandates we meet cyber security measures; dated Operating System induces risk that is unacceptable. If this effort is not funded there will be an extremely high risk of having weapon systems unable to be fitted with weapon thereby drastically increasing non-mission capable rates.

FY18 funds will be used to purchase modification kits and installation of kits for the entire COLT fleet. Funding also supports upgrades/changes to the system that are driven by cyber concerns. PMA cost cover travel for the COLT program and contractor support.

FY18 PMA dollars in the total amount of (\$305,000) will be used for travel (Other Government Costs) and Contractor Services to augment ATS Division manpower to perform logistics functions as fielding of assets occur.

This program was originally included on the Items Less than \$5M exhibit in the FY17 President's Budget.

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	9.105	4.900	0.000	0.000	0.000
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	9.105	4.900	0.000	0.000	0.000

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force								Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1			P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT					Item Number / Title [DODIC]: COMMON ORGANIZATIONAL LEVEL TESTER (COLT)				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Colt upgraded Power (Pure Mods version)		2017	Lockheed Martin Mission Systems & Training / 100 Global Innovation Circle; Orlando FL. 32825-5003	Various	AFLCMC/WN - Agile Combat Systems	Aug 2018	Dec 2018	52	0.077	N	Sep 2017	
Colt upgraded Power (Pure Mods version)		2018	Lockheed Mission Systems & Training / 100 Global Innovation Circle; Orlando FL 32825-5005	Various	AFLCMC/WN - Agile Combat Systems	Aug 2018	Dec 2018	26	0.077	N	Sep 2017	
Colt Standard Version		2017	Lockheed Martin Mission Systems & Training / 100 Global Innovation Circle; Orlando FL 32825-5003	Various	AFLCMC/WN - Agile Combat Systems	Aug 2018	Dec 2018	40	0.095	N	Sep 2017	
Colt Standard Version		2018	Lockheed Martin Mission Systems & Training / 100 Global Innovation Circle; Orlando FL 32825-5003	Various	AFLCMC/WN - Agile Combat Systems	Aug 2018	Dec 2018	28	0.095	N	Sep 2017	
Power Supplies		2017	Lockheed Martin Mission Systems & Training / 100 Global Innovation Circle; Orlando FL 32825-5003	Various	AFLCMC/WN - Agile Combat Systems	Aug 2018	Dec 2018	10	0.010	N	Sep 2017	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1						P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT									Aggregated Items Title: Cruise Missile Automatic Test System				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Cruise Missile Automatic Test System																				
Cruise Missile ATS	A		-	-	-	-	-	4.700	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000
<i>Secondary Distribution</i>																				
AF				-	-		-	4.700		-	-		-	0.000		-	0.000		-	0.000
Subtotal: Cruise Missile Automatic Test System			-	-	-	-	-	4.700	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000
Total			-	-	-	-	-	4.700	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000

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

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Item Number / Title [DODIC]: F-15 SECONDARY POWER SOURCE TEST SET (SPSTS)

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.000	4.224	0.000	0.000	0.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.000	4.224	0.000	0.000	0.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	0.000	4.224	0.000	0.000	0.000

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - SPSTS Cost																		
Recurring Cost																		
Test Stations ^(†)	-	-	-	-	-	0.000	0.220	15	3.303	-	-	0.000	-	-	0.000	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	3.303	-	-	0.000	-	-	0.000	-	-	0.000
<i>Subtotal: Hardware - SPSTS Cost</i>	-	-	-	-	-	0.000	-	-	3.303	-	-	0.000	-	-	0.000	-	-	0.000
Software - SPSTS Cost																		
Non Recurring Cost																		
Software / Firmware	-	-	-	-	-	0.000	-	-	0.286	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.286	-	-	-	-	-	-	-	-	-
<i>Subtotal: Software - SPSTS Cost</i>	-	-	-	-	-	0.000	-	-	0.286	-	-	-	-	-	-	-	-	-
Support - SPSTS Cost																		
DATA / Technical Documentation	-	-	-	-	-	0.000	-	-	0.061	-	-	-	-	-	-	-	-	-
First Article (FA) Fabrication	-	-	-	-	-	0.000	-	-	0.250	-	-	-	-	-	-	-	-	-
FA Developmental/Operational Testing	-	-	-	-	-	0.000	-	-	0.179	-	-	-	-	-	-	-	-	-
PMA - Other Government Costs	-	-	-	-	-	0.000	-	-	0.145	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Item Number / Title [DODIC]: F-15 SECONDARY POWER SOURCE TEST SET (SPSTS)
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support - SPSTS Cost</i>	-	-	-	-	-	0.000	-	-	0.635	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	0.000	-	-	4.224	-	-	0.000	-	-	0.000	-	-	0.000

Remarks:

FY18 PMA dollars in the amount of \$145,000 will be used for the necessary travel associated with fielding the SPSTS.

FY18 procurement dollars in the amount of \$ 3,302,520 procures 15 each SPSTS in support of installation and unit mission requirements for Air Force Personnel.

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	0.000	4.224	0.000	0.000	0.000
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	0.000	4.224	0.000	0.000	0.000

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force							Date: February 2018					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1			P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT				Item Number / Title [DODIC]: F-15 SECONDARY POWER SOURCE TEST SET (SPSTS)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Test Stations		2018	The Boeing Company / PO Box 516, St Louis MO 63166-0516	SS / FFP	AFLCMC/WN - Agile Combat Systems	Jun 2018	Mar 2019	15	0.220	N	Jan 2018	Jan 2018

Remarks:
Price Deviation between FY17/FY18 P5/P5A pricing is due to receipt of an updated rough order of magnitude (ROM) from Boeing. FY17 was derived from a 2011 ROM, FY18 figures were derived from 2015 ROM.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1						P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT									Aggregated Items Title: Flight Line Generators				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Flight Line Generator	A		-	-	-	-	-	-	-	-	-	-	-	2.860	-	-	-	-	-	2.860
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	-	-	2.860	-	-	-	-	-	2.860
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	2.860	-	-	-	-	-	2.860
Total			-	-	-	-	-	-	-	-	-	-	-	2.860	-	-	-	-	-	2.860

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

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Aggregated Items Title: Hydraulic Servicing Equipment
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware																				
UNIVERSAL TRIPLE HYDRAULIC TEST STAND (3 SYS) (DIESEL)	A		-	-	-	-	-	-	0.207	47	9.750	0.195	45	8.775	-	-	0.000	0.195	45	8.775
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		47	9.750		45	8.775		-	0.000		45	8.775
UNIVERSAL TRIPLE HYDRAULIC TEST STAND (3 SYS) (ELECTRIC)	A		-	-	-	-	-	-	0.228	5	1.140	0.114	10	1.140	-	-	-	0.114	10	1.140
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		5	1.140		10	1.140		-	-		10	1.140
UNIVERSAL HYDRAULIC TEST STAND (2 SYS) (DIESEL)	A		-	-	-	0.117	131	15.272	0.117	21	2.450	0.116	20	2.320	-	-	0.000	0.116	20	2.320
<i>Secondary Distribution</i>																				
AF			-	-	-		131	15.272		11	1.284		20	2.320		-	0.000		20	2.320
AFNG			-	-	-	-	-	-		5	0.583		-	-		-	-		-	-
AFR			-	-	-	-	-	-		5	0.583		-	-		-	-		-	-
UNIVERSAL HYDRAULIC TEST STAND (2 SYS) (ELECTRIC)	A		-	-	-	0.121	48	5.813	0.117	21	2.450	0.114	10	1.140	-	-	-	0.114	10	1.140
<i>Secondary Distribution</i>																				
AF			-	-	-		48	5.813		15	1.750		10	1.140		-	-		10	1.140
AFNG			-	-	-	-	-	-		4	0.467		-	-		-	-		-	-
AFR			-	-	-	-	-	-		2	0.233		-	-		-	-		-	-
Subtotal: Hardware			-	-	-	-	-	21.085	-	-	15.790	-	-	13.375	-	-	0.000	-	-	13.375
Total			-	-	-	-	-	21.085	-	-	15.790	-	-	13.375	-	-	0.000	-	-	13.375

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

Remarks:
Exact quantities may vary from what is forecasted based on real world requirements and priorities as established by the Major Commands. Deviations will be updated in the next budget cycle.

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Item Number / Title [DODIC]: SMALL MUNITIONS TRAILERS RECAP (MHU-110/141)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.000	10.785	11.000	0.000	11.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.000	10.785	11.000	0.000	11.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	0.000	10.785	11.000	0.000	11.000

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - SMALL MUNITIONS TRAILERS RECAP (MHU-110/141) Cost																		
Non Recurring Cost																		
MHU-110 Trailers ^(†)	-	-	-	-	-	0.000	0.048	2	0.096	-	-	-	-	-	-	-	-	-
MHU-141 Trailers ^(†)	-	-	-	-	-	0.000	0.048	2	0.096	-	-	-	-	-	-	-	-	-
MHU-110/141 Trailers ^(†)	-	-	-	-	-	-	-	-	-	0.096	4	0.384	-	-	0.000	0.096	4	0.384
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.192	-	-	0.384	-	-	0.000	-	-	0.384
<i>Subtotal: Hardware - SMALL MUNITIONS TRAILERS RECAP (MHU-110/141) Cost</i>	-	-	-	-	-	0.000	-	-	0.192	-	-	0.384	-	-	0.000	-	-	0.384
Support - SMALL MUNITIONS TRAILERS RECAP (MHU-110/141) Cost																		
PMA Other Government Costs MHU-110	-	-	-	-	-	-	-	-	0.040	-	-	-	-	-	-	-	-	-
First Article Testing MHU-110	-	-	-	-	-	-	-	-	2.500	-	-	-	-	-	-	-	-	-
PMA Other Government Costs MHU-141	-	-	-	-	-	-	-	-	0.040	-	-	-	-	-	-	-	-	-
First Article Testing MHU-141	-	-	-	-	-	-	-	-	3.067	-	-	-	-	-	-	-	-	-
Data MHU-110	-	-	-	-	-	-	-	-	2.756	-	-	-	-	-	-	-	-	-
Data MHU-141	-	-	-	-	-	-	-	-	2.190	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	Item Number / Title [DODIC]: SMALL MUNITIONS TRAILERS RECAP (MHU-110/141)
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
First Article Testing MHU-110/141	-	-	-	-	-	-	-	-	-	-	-	5.567	-	-	-	-	-	5.567
Data MHU-110/141	-	-	-	-	-	-	-	-	-	-	-	4.946	-	-	-	-	-	4.946
PMA Other Government Costs MHU-110/141	-	-	-	-	-	-	-	-	-	-	-	0.103	-	-	0.000	-	-	0.103
<i>Subtotal: Support - SMALL MUNITIONS TRAILERS RECAP (MHU-110/141) Cost</i>	-	-	-	-	-	-	-	-	10.593	-	-	10.616	-	-	0.000	-	-	10.616
Gross/Weapon System Cost	-	-	-	-	-	0.000	-	-	10.785	-	-	11.000	-	-	0.000	-	-	11.000

Remarks:

Unit Costs for FY18 are assumed and are subject to change.
FY18 PMA dollars in the amount of \$80K will be used for the necessary travel associated with the fielding the Small Munitions Trailers (MHU-110/141).

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	0.000	10.785	11.000	0.000	11.000
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	0.000	10.785	11.000	0.000	11.000

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

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force								Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1			P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT					Item Number / Title [DODIC]: SMALL MUNITIONS TRAILERS RECAP (MHU-110/141)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
MHU-110 Trailers		2018	TBD / TBD	C / FFP	WR/ALC	Sep 2018	Jun 2019	2	0.048	Y		
MHU-141 Trailers		2018	TBD / TBD	C / FFP	WR/ALC	Sep 2018	Jan 2020	2	0.048	Y		
MHU-110/141 Trailers		2019	TBD / TBD	C / FFP	WR/ALC	Sep 2019	Jan 2021	4	0.096	Y		

Remarks:
 FY18 Procurement includes 2 EA MHU-110 First Articles
 FY18 Procurement includes 2 EA MHU-141 First Articles

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1							P-1 Line Item Number / Title: 000071 / AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT								Aggregated Items Title: JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER (JSECST)				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Joint Service Electronic Combat Systems Tester (JSECST)																				
Joint Service Electronic Combat Systems Tester (JSECST)	A		-	-	-	-	-	17.001	-	-	8.365	-	-	11.170	-	-	0.000	-	-	11.170
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	17.001	-	-	8.365	-	-	11.170	-	-	0.000	-	-	11.170
AFNG			-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	0.000
PMA Other Government Costs	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	0.000
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	0.000
PMA Other Government Support	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kit Installations	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Joint Service Electronic Combat Systems Tester (JSECST)			-	-	-	-	-	17.001	-	-	8.365	-	-	11.170	-	-	0.000	-	-	11.170
Total			-	-	-	-	-	17.001	-	-	8.365	-	-	11.170	-	-	0.000	-	-	11.170

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

Remarks:
FY19 unit cost is assumed and will change once new contract is in place.. FY19 PMA dollars in the amount of \$50,000.00 will be used for the necessary travel associated with fielding the Joint Service Electronic Combat System Tester (JSECST)and for kits install.

FY19 unit cost is assumed and will change once new contract is in place. Existing contract (FA8532-14-D-0004) will expire 30 September 2017. Expect follow-on contract NLT November 2018

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment

P-1 Line Item Number / Title:
 75 / Other Production Charges

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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	8.524	0.000	22.000	22.000	0.000	0.000	0.000	0.000	-	30.524
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	8.524	0.000	22.000	22.000	0.000	0.000	0.000	0.000	-	30.524
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	8.524	0.000	22.000	22.000	0.000	0.000	0.000	0.000	-	30.524

(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:

Fully Integrated Targeting Pod (FITP) Modification -- Formally integrates the critical Sniper Electro-Optic/Infrared (EO/IR) advanced targeting pod (ATP) capability into the B-1's internal software to meet today's mission needs - for increased situational awareness, weapons deconfliction, and intelligence, surveillance and reconnaissance within the Combat Air Forces (CAF) to increase overall effectiveness of the B-1 weapon system and to meet overall B-1 bomber mission requirements. The FY19 OCO approved UFR will be used to purchase (10) targeting pods, the pods have a 14 month lead time. The OCO funding will allow B-1 to meet the scheduled Required Asset Availability (RAA) date for mission effectiveness.

The legacy munitions handling units (MHU) program consists of the MHU-196/M and MHU-204/M. The MHUs will be overhauled and given a new designation: MHU-196A/M and MHU-204A/M units. This effort will provide an additional 20 years of service life by assessing the structural integrity and repairing the legacy control and power system. Program also alleviates part obsolescence and addresses diminishing manufacturing sources. Funding support the activation of the depot, OO-ALC, to expand their facility production and investing in additional space, support equipment and manpower. Total non-recurring cost are for the depot activation: facilities, support equipment, and other support as required. During depot activation, PMA funding may be used for contract services in support of the program office, program office operations and program travel requirements. Group A kits are not required; all components parts are/will be stock listed, either by the Program Management Office, Defense Logistics Agency (DLA) and/or the Air Force Sustainment Center (AFSC). Assets are used in support of nuclear and conventional operations. Air Force Global Strike Command (AFGSC) requested a production time line of 8 years. In order to meet this, additional funding is required for depot activation. Prior year funding was identified in APPN 3010, BP12, 0202834F Aircraft Replacement Support Equip and moved to APPN 3010, BP12, CLC Other Production Charges to reflect the direction to use organic depot overhaul.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment

P-1 Line Item Number / Title:
 75 / Other Production Charges

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

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	0101126F B-1B Squadrons				- / -	- / -	- / 8.524	- / -	- / -	- / -
P-40a	0202834F Vehicles and Support Equip				- / -	- / -	- / -	- / -	- / 22.000	- / 22.000
P-40	Total Gross/Weapon System Cost				- / -	- / 0.000	- / 8.524	- / 0.000	- / 22.000	- / 22.000

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

Justification:
 Fully Integrated Targeting Pod (FITP) Modification -- Formally integrates the critical Sniper Electro-Optic/Infrared (EO/IR) advanced targeting pod (ATP) capability into the B-1's internal software to meet today's mission needs.

The legacy munitions handling units (MHU) program consists of the MHU-196/M and MHU-204/M. The MHUs will be overhauled and given a new designation: MHU-196A/M and MHU-204A/M units. This effort will provide an additional 20 years of service life by assessing the structural integrity and repairing the legacy control and power system. Program also alleviates part obsolescence and addresses diminishing manufacturing sources.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 75 / Other Production Charges	Aggregated Items Title: 0101126F B-1B Squadrons
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
New Item	A		-	-	-	-	-	-	-	-	8.524	-	-	-	-	-	-	-	-	-
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	8.524	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	8.524	-	-	-	-	-	-	-	-	-

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

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 75 / Other Production Charges	Aggregated Items Title: 0202834F Vehicles and Support Equip
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total				
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)		
Uncategorized																						
New Item	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.000	-	-	22.000
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.000	-	-	22.000
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.000	-	-	22.000

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

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 1: Common Support Equipment

P-1 Line Item Number / Title:
 T053A0 / T-53A Trainer

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0804748F

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	0.501	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.501
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	0.501	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.501
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	0.501	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.501

(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 a post production purchase of a T-53 aircraft trainer used at the United States Air Force Academy. There are 24 T-53A aircraft with a design service life of 12,000 hours. The trainer being purchased will be used for emergency procedure training.

Funding for this exhibit contained in PE 0804748F.

Justification:

N/A

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support	P-1 Line Item Number / Title: B00200 / B-2A
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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: 0101127F
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.154	0.447	1.763	0.000	1.763	1.403	1.686	1.686	1.785	-	8.924
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.154	0.447	1.763	0.000	1.763	1.403	1.686	1.686	1.785	-	8.924
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.154	0.447	1.763	0.000	1.763	1.403	1.686	1.686	1.785	-	8.924

(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:

Interim Contractor Support (ICS) provides maintenance and repair capability for depot-level repairs to meet Air Force Global Strike Command (AFGSC) operational requirements for the B-2 weapon system. The ICS program is an on-condition and limited overhaul repair capability repairing Line Replaceable Units (LRUs) and Shop Replaceable Units (SRUs) associated with legacy airframe structures, hydro-mechanical components and avionics components until permanent depot repair capability is established. ICS also provides travel support and interim repair to new or modified components stemming from B-2 aircraft modification programs until a permanent source of repair has been achieved either organically or through Contractor Depot Maintenance (CDM).

This exhibit covers new B-2 modifications. ICS for legacy components is covered in Line Item 73.

Justification:

ICS will continue to provide interim maintenance and repair capability to B-2 LRUs/SRUs as well as new aircraft modification components until either an organic repair capability or contractor repair capability is established.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support	P-1 Line Item Number / Title: B002B0 / B-2B
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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: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	51.097	38.509	35.861	0.000	35.861	42.234	46.798	47.737	48.605	-	310.841
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	51.097	38.509	35.861	0.000	35.861	42.234	46.798	47.737	48.605	-	310.841
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	51.097	38.509	35.861	0.000	35.861	42.234	46.798	47.737	48.605	-	310.841

(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:

Interim Contractor Support (ICS) provides maintenance, and repair capability for depot-level repairs to meet Air Force Global Strike Command (AFGSC) operational requirements for the B-2 weapon system. The ICS program is an on-condition and limited overhaul repair capability repairing Line Replaceable Units (LRUs) and Shop Replaceable Units (SRUs) associated with legacy airframe structures, hydro-mechanical components, and avionics components until permanent depot repair capability is established. ICS also provides travel support and interim repair to alternate mission equipment and new or modified components stemming from B-2 aircraft modification programs until a permanent source of repair has been achieved either organically or through Contractor Depot Maintenance (CDM).

Weapon System Support Center (WSSC) provides funds to acquire, replace, upgrade, test and integrate B-2 peculiar support equipment (PSE), Special Test Equipment (STE) and their sub-components for B-2 Software Sustainment in support of Aircraft Program Depot Maintenance, Test Ranges, and AFGSC operational support facilities. The B-2 WSSC is a one-of-a-kind facility that develops, maintains, sustains, integrates, tests, and certifies the B-2 Spirit software. The B-2 WSSC combines flight controls, radar, weapons, navigation, traffic control, communications, displays, flight management, external interfaces, and defensive management functionality in a test environment to conduct component, subsystem, and end-to-end software tests before deployment to the test aircraft and/or the operational fleet.

Post Production Support (PPS) provides funds to acquire replace, upgrade, test, integrate and for travel support of other PSE, STE, support systems and their sub-components used in B-2 supporting Laboratories, Sustainment Depot Maintenance activities, Test Ranges and AFGSC operational support facilities.

This exhibit covers WSSC and ICS for legacy B-2 components. ICS for new B-2 components is covered by WSC b00200/B-2A Line Item #72

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support

P-1 Line Item Number / Title:
 B002B0 / B-2B

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

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	B-2B				- / -	- / 51.097	- / 38.509	- / 35.861	- / 0.000	- / 35.861
P-40	Total Gross/Weapon System Cost				- / -	- / 51.097	- / 38.509	- / 35.861	- / 0.000	- / 35.861

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

Justification:

ICS will continue to provide interim maintenance and repair capability to legacy B-2 LRUs/SRUs as well as new aircraft modification components and alternate mission equipment until either an organic repair capability or contractor repair capability is established.

Post Production Support funds are used to acquire, replace, upgrade, integrate, and test obsolete B-2 Peculiar Support Equipment, Special Test Equipment and their sub-components required to support the WSSC as well as Programmed Depot Maintenance, Test Range, and AFGSC support facilities.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2	P-1 Line Item Number / Title: B002B0 / B-2B	Aggregated Items Title: B-2B
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Legacy ICS; Program Code ap5000	A		-	-	-	-	-	32.119	-	-	30.828	-	-	27.328	-	-	0.000	-	-	27.328
WSSC; Program Code bem000	A		-	-	-	-	-	18.978	-	-	7.681	-	-	8.533	-	-	0.000	-	-	8.533
Subtotal: Uncategorized			-	-	-	-	-	51.097	-	-	38.509	-	-	35.861	-	-	0.000	-	-	35.861
Total			-	-	-	-	-	51.097	-	-	38.509	-	-	35.861	-	-	0.000	-	-	35.861

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

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support

P-1 Line Item Number / Title:
 B05200 / B-52

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	28.125	0.199	12.819	0.000	12.819	4.641	5.648	5.762	5.867	-	63.061
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	28.125	0.199	12.819	0.000	12.819	4.641	5.648	5.762	5.867	-	63.061
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	28.125	0.199	12.819	0.000	12.819	4.641	5.648	5.762	5.867	-	63.061

(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-52 Combat Network Communication Technology (CONNECT) acquisition project supports nuclear and conventional operations by upgrading the B-52 fleet with data link and voice communications capabilities along with improved threat and situational awareness to support participation in network centric operations. The CONNECT upgrade installs new Multi-Functional Color Displays (MFCDs) and a digital interphone system, which will survive and function through the nuclear environment to enhance crew interaction and situational awareness. To enable net centric operations, the CONNECT upgrade installs on-board client/server architecture supporting distributed processing with independent control functions; UHF Beyond Line-Of-Sight (BLOS) Joint Range Extension (JRE) capability via ARC-210 Warrior radio to exchange J-Series messaging within theater; Intelligence Broadcast Receiver (IBR); limited Internet Protocol (IP)-based UHF BLOS link supporting voice, email and file transfers; and Improved Data Modem (IDM)-based digital Variable Message Format (VMF) data link to significantly enhance close air support (CAS) missions. This integrated suite, when produced and installed, will provide the B-52 fleet with a machine-to-machine capability supporting aircraft re-tasking and re-targeting of Conventional Air Launched Cruise Missile (CALCM) and J-series weapons across the range of military operations the B-52 is assigned.

This modification is planned to be done in conjunction with Programmed Depot Maintenance (PDM). In addition, training devices will be upgraded to include CONNECT functionality to meet user training requirements.

Post Production Support funds Interim Contract Support (ICS) until the depot is established for CONNECT.

This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 0101113F.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support
P-1 Line Item Number / Title: B05200 / B-52

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	B-52				- / -	- / 28.125	- / 0.199	- / 12.819	- / 0.000	- / 12.819
P-40	Total Gross/Weapon System Cost				- / -	- / 28.125	- / 0.199	- / 12.819	- / 0.000	- / 12.819

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

Justification:

Post Production Support funds Interim Contract Support (ICS) are required until the depot is established for CONECT.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2	P-1 Line Item Number / Title: B05200 / B-52	Aggregated Items Title: B-52
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
B-52 RADAR MODERNIZATION ICS	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-52 CONECT ICS	A		-	-	-	-	-	28.125	-	-	0.199	-	-	12.819	-	-	0.000	-	-	12.819
Subtotal: Uncategorized			-	-	-	-	-	28.125	-	-	0.199	-	-	12.819	-	-	0.000	-	-	12.819
Total			-	-	-	-	-	28.125	-	-	0.199	-	-	12.819	-	-	0.000	-	-	12.819

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

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support

P-1 Line Item Number / Title:
C01700 / C-17A

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0401130F

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	83.859	12.028	10.114	0.000	10.114	0.000	0.000	0.001	0.000	-	106.002
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	83.859	12.028	10.114	0.000	10.114	0.000	0.000	0.001	0.000	-	106.002
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	83.859	12.028	10.114	0.000	10.114	0.000	0.000	0.001	0.000	-	106.002

(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 Engine Depot Stock & Preservation Kit buy provides initial spares to support depot operations during the transition from the Maintenance Service Rate Plan (MSRP)/Globemaster Integrated Sustainment Program (GISP) overhaul construct to the Engine Sustainment Services (ESS)/GISP overhaul construct. This follows a Secretary of the Air Force (Sec AF) directive to procure engine sustainment outside of the GISP Contractor Logistics Support (CLS) contract.
 - 2.) Cargo Load Trainer - The Cargo Load Trainer (CLT) Model trains Loadmasters to safely load a C-17 aircraft. The intent is to modify and/or procure Cargo Load Trainer Model(s) (CLTs) to support Loadmaster training. This can be achieved by using physical or virtual solutions.
 - 3.) Purchase of Peculiar and Common Support Equipment for the C-17 (PSE and CSE). CSE is comprised of support equipment used by the C-17 and other programs, while PSE is unique to the C-17. Both are required to effectively operate the Organizational and Intermediate (O&I) levels of aircraft maintenance at Main Operating Bases (MOBs), Avionics Regional Maintenance Centers (RMCs), Engine RMCs, Enroute locations, Backshop activities, plus requirements in support of the Boeing Analytical Condition Inspection (ACI) and WR (Warner Robins)-ACI Global Reach Improvement Program (GRIP) contracts.
 - 4.) The Post Production Product Improvement (PPPI) program funds Materiel Improvement Program (MIP) projects. MIP projects correct Deficiency Report (DR) issues that were discovered during the aircraft production phase. There have been over 275 projects incorporated into production aircraft. About 38 projects remain to be retrofitted to post production aircraft to bring them up to production aircraft configuration. The projects are worked in conjunction with aircraft heavy maintenance (depot) cycle every 5/6 years. Funds remaining in the FYDP will be used to complete PPPI projects initiated with APAF.
- Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. Funding for this exhibit is contained in PE 0401130F.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support

P-1 Line Item Number / Title:
C01700 / C-17A

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0401130F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	C-17A				- / -	- / 83.859	- / 12.028	- / 10.114	- / 0.000	- / 10.114
P-40	Total Gross/Weapon System Cost				- / -	- / 83.859	- / 12.028	- / 10.114	- / 0.000	- / 10.114

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

Justification:

- 1.) Engine Depot Stock & Preservation Kit buy - This is required due to the Secretary of the Air Force's (Sec AF) directive to breakout F117 engine overhaul outside of the GISP CLS umbrella. This requires the purchase of initial spares in order for the depots to operate effectively.

- 2.) Cargo Load Trainer - The current CLT Model is 20 years old and needs to be repaired, refurbished, or replaced.

- 3.) Purchase of Peculiar and Common Support Equipment for the C-17 (PSE and CSE) - If not funded, C-17 operational readiness and aircraft availability will be impacted negatively. In addition, the safety of maintenance and shop personnel working will be put in harm's way.

- 4.) Post Production Product Improvement Program (PPPI) - The FY19 budget supports PPPI for 21 MIP projects to be installed on 35 aircraft. MIP projects significantly increase aircraft Reliability, Maintainability and Availability (RM&A). Project completion also contributes to the common configuration and reducing the lifecycle costs of the C-17 fleet. MIP projects include, but not limited to:
 - a.) Redesign Wing Fillet Panel
 - b.) 1553 Data Bus Pre-Electrical Power Improvement Retrofit
 - c.) Pneumatic Manifold Slip Joint Leakage
 - d.) Lavatory Drain Leak
 - e.) Combined Altitude Radar Altimeter
 - f.) AC Pack Refrigeration Unit Reliability
 - g.) Spoiler Bushings and Bearings

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2 **P-1 Line Item Number / Title:** C01700 / C-17A **Aggregated Items Title:** C-17A

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Engine Depot Stock and Preservation Kit Buy	A		-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	0.000	-	-	0.100
Cargo Load Trainer	A		-	-	-	-	-	-	-	-	-	-	-	1.984	-	-	0.000	-	-	1.984
Peculiar Ground Support Equipment (PSE)	A		-	-	-	-	-	60.300	-	-	5.500	-	-	0.100	-	-	0.000	-	-	0.100
Common Support Equipment (CSE)	A		-	-	-	-	-	-	-	0.100	-	-	0.100	-	-	0.000	-	-	0.100	
Post Production Product Improvement	A		-	-	-	-	-	23.559	-	-	6.428	-	-	7.830	-	-	0.000	-	-	7.830
Subtotal: Uncategorized			-	-	-	-	-	83.859	-	-	12.028	-	-	10.114	-	-	0.000	-	-	10.114
Total			-	-	-	-	-	83.859	-	-	12.028	-	-	10.114	-	-	0.000	-	-	10.114

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

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support	P-1 Line Item Number / Title: DARP01 / RC-135
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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: 0305207F
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	29.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	29.700
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	29.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	29.700
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	29.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	29.700

(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:

In FY18 \$29.7M was allocated for the design and installation of one (1) COBRA BALL/COMBAT SENT/Airborne System Engineer training emulator. Funding for this exhibit is contained in PE 0305207F.

Justification:

This computer-based training system will be used to train members across multiple crew positions as it can be modified to meet the needs of the position being trained.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support	P-1 Line Item Number / Title: F01500 / F-15
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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: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	20.000	2.545	0.000	2.545	2.589	2.636	2.688	2.737	-	33.195
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	20.000	2.545	0.000	2.545	2.589	2.636	2.688	2.737	-	33.195
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	20.000	2.545	0.000	2.545	2.589	2.636	2.688	2.737	-	33.195

(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-15C/D Eagle is a highly maneuverable all-weather air superiority fighter. The F-15E Strike Eagle retains the basic air-to-air capability of the F-15C/D Eagle, but adds a weapon systems operator (WSO), rear cockpit, conformal fuel tanks and advanced systems for all-weather, day/night, all-altitude, deep penetration air-to-surface attack.

F-15 E Integrated Aircrew Trainers (IATs) PE 0207134F, A FY19 new start.

F-15 E Integrated Aircrew Trainers (IATs) funded in PE 0207134F, supports the procurement of additional IATs in order to better implement formal syllabus training, and meet HAF intent by preparing for 20% increase in FTU production IAW ACC/A3T memo dated 29 Jun 2016. Future training plans include moving all Computer Based Training (CBTs) from desktop PCs to the IATs for increased fidelity and reduced Subject Matter Expert (SME) hours when teaching basic avionics use in IATs and Mission Training Center (MTC) events. Allows additional time to concentrate on systems integration and crew coordination, further supporting HAF intent. \$4.959M P3A in BP11 for IATs was created for this work; funding erroneously loaded in BP11

The program continues post-production support of the F-15C/D and F-15E Electronic Systems Test Set (ESTS) and post production support for the F-15 tooling storage.

Provides continued support of post production tooling storage at Granite City, IL. This equipment is used for the manufacture, test, support, or repair of the F-15 aircraft and/or its associated system components. The retention of Special Tooling/Special Test Equipment (ST/STE) is based on past usage history, current spare/repair parts contracts, and projections for future requirements.

In accordance with Section 1815 of the FY2008 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 response, and providing military support to civil authorities.

No Research Development Test and Evaluation funding is associated with this effort.

Funds may be used to address Diminishing manufacturing Sources (DMS) efforts to include removal of end-of-life software/hardware within simulators systems and move to a modular, common open system architecture that is sustainable and cyber-resilient.

DMSMS costs are included in Group B NRE; SE/PM costs are include in the Group B recurring; and Depot Costs are included in the Support Equipment.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support	P-1 Line Item Number / Title: F01500 / F-15
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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: N/A
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Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
AF	Quantity	0	0	0	0	0	-	-	-	-
	Total Obligation Authority	0.000	0.000	2.545	0.000	2.545	-	-	-	-
AFNG	Quantity	0	5	0	0	0	-	-	-	-
	Total Obligation Authority	0.000	20.000	0.000	0.000	0.000	-	-	-	-
AFR	Quantity	0	0	0	0	0	-	-	-	-
	Total Obligation Authority	0.000	0.000	0.000	0.000	0.000	-	-	-	-
Total: Secondary Distribution	Quantity	0	5	0	0	0	-	-	-	-
	Total Obligation Authority	0.000	20.000	2.545	0.000	2.545	-	-	-	-

Justification:

F-15 E Integrated Aircrew Trainers (IATs) PE 0207134F, A FY19 new start.
 IATs Funding provides continued support of the Electronic Systems Test Set (ESTS). Grounding of aircraft would result without this repair support.
 Tooling is loaned/leased to support manufacturing of spares, as well as to support the execution of modification programs, life extension activities, and sustainment efforts.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support	P-1 Line Item Number / Title: F0150P / F-15
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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: 0207130F, 0207134F
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	2.980	2.524	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	5.504
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	2.980	2.524	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	5.504
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	2.980	2.524	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	5.504

(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-15C/D Eagle is a highly maneuverable all-weather air superiority fighter. The F-15E Strike Eagle retains the basic air-to-air capability of the F-15C/D Eagle, but adds a weapon systems operator (WSO), rear cockpit, conformal fuel tanks and advanced systems for all-weather, day/night, all-altitude, deep penetration air-to-surface attack.

F-15 E Integrated Aircrew Trainers (IATs) PE 0207134F, A FY19 new start.

F-15 E Integrated Aircrew Trainers (IATs) funded in PE 0207134F, supports the procurement of additional IATs in order to better implement formal syllabus training, and meet HAF intent by preparing for 20% increase in FTU production IAW ACC/A3T memo dated 29 Jun 2016. Future training plans include moving all Computer Based Training (CBTs) from desktop PCs to the IATs for increased fidelity and reduced Subject Matter Expert (SME) hours when teaching basic avionics use in IATs and Mission Training Center (MTC) events. Allows additional time to concentrate on systems integration and crew coordination, further supporting HAF intent.

The program continues post-production support of the F-15C/D and F-15E Electronic Systems Test Set (ESTS) and post production support for the F-15 tooling storage.

Provides continued support of post production tooling storage at Granite City, IL. This equipment is used for the manufacture, test, support, or repair of the F-15 aircraft and/or its associated system components. The retention of Special Tooling/Special Test Equipment (ST/STE) is based on past usage history, current spare/repair parts contracts, and projections for future requirements.

In accordance with Section 1815 of the FY2008 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 response, and providing military support to civil authorities.

No Research Development Test and Evaluation funding is associated with this effort.

Funds may be used to address Diminishing manufacturing Sources (DMS) efforts to include removal of end-of-life software/hardware within simulators systems and move to a modular, common open system architecture that is sustainable and cyber-resilient.

DMSMS costs are included in Group B NRE; SE/PM costs are include in the Group B recurring; and Depot Costs are included in the Support Equipment.

Justification:

This program, Item Integrated Aircrew Trainers, is a new start.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support		P-1 Line Item Number / Title: F0150P / F-15
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0207130F, 0207134F
Line Item MDAP/MAIS Code: N/A		

Funding provides continued support of the Electronic Systems Test Set (ESTS). Grounding of aircraft would result without this repair support.

Supports procurement of additional F-15 E Integrated Aircrew Trainers (IATs) to better implement formal syllabus training, and meets HAF intent by preparing for 20% increase in FTU production IAW ACC/A3T memo dated 29 Jun 2016.

Provides continued interim contractor support of post production tooling storage at Granite City, IL. Tooling is loaned/leased to support manufacturing of spares, as well as to support the execution of modification programs, life extension activities, and sustainment efforts.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support	P-1 Line Item Number / Title: F0160P / F-16
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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: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	3.390	18.051	11.718	0.000	11.718	21.848	25.397	19.707	20.067	-	120.178
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	3.390	18.051	11.718	0.000	11.718	21.848	25.397	19.707	20.067	-	120.178
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	3.390	18.051	11.718	0.000	11.718	21.848	25.397	19.707	20.067	-	120.178

(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:

Provides funding for F-16 support equipment, facilities support, interim contractor support, PMA costs and production line shutdown activities for F-16 aircraft.

Funding for this exhibit is budgeted in PE 0207133F

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support	P-1 Line Item Number / Title: F0160P / F-16
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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: N/A
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	F-16				- / -	- / 3.390	- / 18.051	- / 11.718	- / 0.000	- / 11.718
P-40	Total Gross/Weapon System Cost				- / -	- / 3.390	- / 18.051	- / 11.718	- / 0.000	- / 11.718

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

Justification:
This appropriation is for the continuation of prime contractor post production support, procurement of deferred peculiar ground support equipment, peculiar training equipment, mission support, interim contract support, and activities associated with F-16 production line shutdown.

The USG stores tooling identified as required to be re-utilized to manufacture spares, support aircraft modifications, or other purposes. It would require millions of dollars to re-manufacture these tools and the delivery lead-time of the required tool/part would take several years to reproduce. Funding for these contracts is essential since the F-16 Program Offices require specialized engineering services to ensure continued fleet support capability during, and beyond, the Production Line Shutdown (PLS). The requirement is annual funding to maintain the Electronic Tool Inventory Management System (eTIMS) in cooperation with the Lexes Inc. and Lockheed Martin Aeronautics Inc, as well as the actual teardown, shipping and storage of unique aircraft manufacturing equipment.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2 **P-1 Line Item Number / Title:** F0160P / F-16 **Aggregated Items Title:** F-16

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
F-16 Mission Training Centers (MTC)	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
MIDS - Jtrs	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MMC & Display Generator Upgrade	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AESA JUON	A		-	-	-	-	-	-	-	-	1.063	-	-	2.558	-	-	0.000	-	-	2.558
Avionics PGSE	A		-	-	-	-	-	2.709	-	-	2.909	-	-	2.909	-	-	-	-	-	2.909
AGCAS	A		-	-	-	-	-	-	-	-	-	-	-	1.009	-	-	-	-	-	1.009
ICS	A		-	-	-	-	-	-	-	-	0.200	-	-	-	-	-	-	-	-	-
Production Line Shutdown	A		-	-	-	-	-	0.297	-	-	14.079	-	-	5.242	-	-	-	-	-	5.242
PMA Contractor Services	A		-	-	-	-	-	0.169	-	-	-	-	-	-	-	-	-	-	-	-
PMA Gov't Costs	A		-	-	-	-	-	0.015	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Uncategorized			-	-	-	-	-	3.390	-	-	18.051	-	-	11.718	-	-	0.000	-	-	11.718
Total			-	-	-	-	-	3.390	-	-	18.051	-	-	11.718	-	-	0.000	-	-	11.718

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

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support	P-1 Line Item Number / Title: F02200 / F-22A
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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: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	48.505	119.566	14.489	0.000	14.489	0.000	0.000	0.000	0.000	-	182.560
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	48.505	119.566	14.489	0.000	14.489	0.000	0.000	0.000	0.000	-	182.560
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	48.505	119.566	14.489	0.000	14.489	0.000	0.000	0.000	0.000	-	182.560

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

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

Description:

Funding will procure necessary support equipment and mission critical replenishment spares commensurate to the F-22's projected service life (2055+). The Raptor is the USAF's top priority for ensuring air dominance in support of Joint Forces' operational access and homeland defense for the next 40+ years. The F-22 is the first operational multi-mission fighter that combines stealth, super cruise, advanced maneuverability and integrated avionics to make it the most capable anti-access, area denial combat aircraft.

Funding for this exhibit contained in PE 0207138F.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support

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

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

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	F-22A				- / -	- / 48.505	- / 119.566	- / 14.489	- / 0.000	- / 14.489
P-40	Total Gross/Weapon System Cost				- / -	- / 48.505	- / 119.566	- / 14.489	- / 0.000	- / 14.489

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

Justification:

The F-22 funding will procure the following requirements, but is not limited to those listed below:

Next Generation Polyalphaolefin Carts (NextGen PAO Carts, required to cool and protect aircraft avionics systems during ground maintenance/operation. Continuous production of the carts is required to replace existing carts suffering operational shortages due to diminishing manufacturing sources (DMS) issues resulting in increasing budgets to repair and extended duty hours to maintain required levels of operational carts.

F-22A Mission Critical Replenishment Spares (MCRS) commensurate with the fleet flying hour program. Spares include landing gear, leading edge flaps, wings, horizontal stabilizers, etc. Spares support the entirety of the F-22A fleet including those required for critical reversion repairs and mishap aircraft. The majority of these spares are long-lead items with a diminishing manufacturing base.

Replacement of failing and unsupportable contractor-owned automated test stations used solely for the F-22 power supplies with an automated test station from the organic catalog of automatic test stations. This ensures long-term support and protection against further DMS issues.

Funding may be used to resolve emerging safety of flight and DMS issues, accommodate technology insertion, respond to field support equipment issues, and fulfill Federal Aviation Administration (FAA) or other mandates to ensure continued aircrew safety maintenance capability and mission effectiveness.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2 **P-1 Line Item Number / Title:** F02200 / F-22A **Aggregated Items Title:** F-22A

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Forward Support Equipment	A		-	-	-	-	-	48.505	-	-	14.000	-	-	14.489	-	-	0.000	-	-	14.489
Mission Critical Replenishment Spares	A		-	-	-	-	-	-	-	-	105.566	-	-	-	-	-	-	-	-	-
Next Generation Labratory	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Uncategorized			-	-	-	-	-	48.505	-	-	119.566	-	-	14.489	-	-	0.000	-	-	14.489
Total			-	-	-	-	-	48.505	-	-	119.566	-	-	14.489	-	-	0.000	-	-	14.489

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

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support

P-1 Line Item Number / Title:
OTHACF / Other Aircraft

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207701F

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	23.192	85.000	9.928	0.000	9.928	0.000	0.000	0.000	0.000	-	118.120
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	23.192	85.000	9.928	0.000	9.928	0.000	0.000	0.000	0.000	-	118.120
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	23.192	85.000	9.928	0.000	9.928	0.000	0.000	0.000	0.000	-	118.120

(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:

Other Aircraft contains funding for:

-F-16 Block 40/50 Mission Training Center (MTC), funded in PE 0207701F, supports the procurement of high fidelity, Distributed Mission Operations (DMO) capable flight simulators for F-16 Block 40 and 50 weapon systems. Each MTC includes multiple high-fidelity Simulator Cockpits, Instructor Operator Stations, a Threat Server and Brief/Debrief and Mission Observation capability. Each is capable of linking to geographically distributed high-fidelity combat and combat support training devices including Command and Control (C2) and Intelligence, Surveillance, and Reconnaissance (ISR) systems. Allows the warfighters at home station to exercise and train at the operational and strategic level of war as well as conduct networked unit-level training.

- In FY19, PE 0207701F provides funds to procure eight man-in-the-loop threat simulators for the Nellis Virtual Test and Training Center (VTTC). The VTTC requires four high and four lower fidelity man-in-the-loop simulators to meet Nellis' Virtual Warfare Center tactics development and training requirements. The trainers will be DMO capable and platform agnostic, to allow integration with other Mission Design Series. The simulator fidelity is designed to provide adversary threats for testing of 4th or 5th generation platforms. While not designed for this purpose, these trainers could provide virtual adversary-air support in operational training.

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.

Funds may be used to address emerging and short-notice Diminishing Manufacturing and Material Shortage (DMSMS) issues. DMS efforts to include removal of end-of-life software/hardware within simulators systems and move to a modular, common open system architecture that is sustainable and cyber-resilient.

Funding for this exhibit contained in PE 0207701F.

Secondary Distribution	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
AF									
Quantity	0	0	8	0	8	0	0	0	0
Total Obligation Authority	0.000	0.000	9.928	0.000	9.928	0.000	0.000	0.000	0.000

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support	P-1 Line Item Number / Title: OTHACF / Other Aircraft
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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: 0207701F
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Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
AFNG	Quantity	1	18	0	0	0	0	0	0	0
	Total Obligation Authority	23.192	85.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
AFR	Quantity	0	0	0	0	0	0	0	0	0
	Total Obligation Authority	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total:	Quantity	1	18	8	0	8	0	0	0	0
Secondary Distribution	Total Obligation Authority	23.192	85.000	9.928	0.000	9.928	0.000	0.000	0.000	0.000

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support **P-1 Line Item Number / Title:** OTHACF / Other Aircraft

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207701F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Other Aircraft				- / -	- / 23.192	- / 85.000	- / 9.928	- / 0.000	- / 9.928
P-40	Total Gross/Weapon System Cost				- / -	- / 23.192	- / 85.000	- / 9.928	- / 0.000	- / 9.928

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

Justification:

This program, Item Man-in-the-Loop threat simulators, is a new start.

FY19 funding will procure eight Man-in-the-Loop threat simulators for the Nellis Virtual Test and Training Center.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2 **P-1 Line Item Number / Title:** OTHACF / Other Aircraft **Aggregated Items Title:** Other Aircraft

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Man-in-the-Loop Threats for Nellis Virtual Test and Training Center																				
Man-in-the-Loop threat simulators	A		-	-	-	-	-	-	-	-	-	1.241	8	9.928	-	-	0.000	1.241	8	9.928
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	-	8	9.928	-	-	0.000	-	8	9.928
Subtotal: Man-in-the-Loop Threats for Nellis Virtual Test and Training Center			-	-	-	-	-	-	-	-	-	-	-	9.928	-	-	0.000	-	-	9.928
F-16 Block 40/50 Mission Training Centers (MTC), PE 0207701F																				
F-16 Block 40/50 Mission Training Centers (MTC), PE 0207701F	A		-	-	-	23.192	1	23.192	7.000	8	56.000	-	-	0.000	-	-	-	-	-	0.000
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
AFNG			-	-	-	-	1	23.192	-	8	56.000	-	-	0.000	-	-	-	-	-	0.000
AFR			-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Subtotal: F-16 Block 40/50 Mission Training Centers (MTC), PE 0207701F			-	-	-	-	-	23.192	-	-	56.000	-	-	0.000	-	-	-	-	-	0.000
Full Combat Mission Training (FCMT), PE 0207701F; Combat Air Forces Aircrew Training Devices																				
Full Combat Mission Training (FCMT), PE 0207701F; Combat Air Forces Aircrew Training Devices	A		-	-	-	-	-	-	2.900	10	29.000	-	-	0.000	-	-	-	-	-	0.000
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
AFNG			-	-	-	-	-	-	-	10	29.000	-	-	0.000	-	-	-	-	-	0.000
AFR			-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Full Combat Mission Training (FCMT), PE 0207701F; Combat Air Forces Aircrew Training Devices			-	-	-	-	-	-	-	-	29.000	-	-	0.000	-	-	-	-	-	0.000
Total			-	-	-	-	-	23.192	-	-	85.000	-	-	9.928	-	-	0.000	-	-	9.928

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

Remarks:
 Funds may be used to address emerging and short-notice Diminishing Manufacturing and Material Shortage (DMSMS) issues.

 DMS efforts to include removal of end-of-life software/hardware within simulators systems and move to a modular, common open system architecture that is sustainable and cyber-resilient. Implement requirements and standards defined under the Simulator Common Architecture Requirements and Standards (SCARS) initiative.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support	P-1 Line Item Number / Title: RQ4DIS / RQ-4 Post Production Charges
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ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0305220F	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: 252

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	59.801	0.099	86.695	40.641	0.000	40.641	130.625	17.428	15.419	15.699	8.364	374.771
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	59.801	0.099	86.695	40.641	0.000	40.641	130.625	17.428	15.419	15.699	8.364	374.771
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	59.801	0.099	86.695	40.641	0.000	40.641	130.625	17.428	15.419	15.699	8.364	374.771

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

Initial Spares (<i>\$ in Millions</i>)	0.820	1.249	28.913	1.246	-	1.246	13.624	6.000	-	-	-	51.852
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

RQ-4 post production 3010 Budget Program (BP) 13 funding will support sensor procurement and related activities, production line shutdown and disposition activities, the procurement and fielding of the Ground Segment Modernization Program (GSMP), Integrated Functional Capabilities programs, as well as technology insertion activities in support of Better Buying Power initiatives.

Funds will support the procurement and installation of MS-177A multi-spectral Intelligence, Surveillance, and Reconnaissance (ISR) sensors, auxiliary equipment B-kits, support equipment, sensor calibration flights, training, data, Interim Contractor Support (ICS), and other costs to complete the fielding of the sensors. Fairings and sensor windows will also be procured in support of the sensors. The B-kits consist of the Sensor Interface Modules (SIM), airborne file servers, tooling, and other related equipment. The Program Office awarded a contract to integrate the MS-177 onto the RQ-4 in early FY16. To date, there are preliminary DT results available. Additional results will be available following completion of testing.

Funds will support Global Hawk costs relating to the shut down of the production line. Costs include production equipment disposition, contract closeout, mission support, production closeout costs, and other related costs. Funds may also be utilized for the procurement of Optical Bar Camera (OBC) SIMs, equipment, and all associated costs with the delivery and install of the SIMs. Neither the MS-177 nor the OBC are replacing systems currently flown on the RQ-4.

Funding for this exhibit is contained in PE 0305220F. The flyaway unit cost is not included on P-40 exhibit because there are multiple P-5 Cost Analysis exhibits. Funding may be used to address DMS issues for which there are not sufficient Government spares and/or the ability to repair organically or commercially is not viable.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support

P-1 Line Item Number / Title:
 RQ4DIS / RQ-4 Post Production Charges

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0305220F **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: 252

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Sensors	P-5a, P-21	B		- / 59.801	- / 0.099	6 / 67.427	- / 36.234	- / -	- / 36.234
P-5	RQ-4 Item		B		- / -	- / -	- / 19.268	- / 4.407	- / -	- / 4.407
P-40	Total Gross/Weapon System Cost				- / 59.801	- / 0.099	- / 86.695	- / 40.641	- / 0.000	- / 40.641

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

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

Justification:
 FY19 RQ-4 sensor funding will support the activities necessary to complete the procurement and installation of MS-177A sensors and auxiliary equipment B-kits. Funds to be used for ICS, focus flight tests, support equipment, training, data, and other activities required to complete the fielding of the sensors. The B-kits consist of the SIMs, airborne file servers, tooling, and other related equipment. Funds may be used for sensor initiatives.

FY19 RQ-4 post-production funds may also be used for production equipment disposition, contract closeout, sustaining engineering ramp down, mission support, production closeout costs, DMS resolution, and other related costs.

No Budget Year FY19 funding requested for the Ground Segment Modernization Program (GSMP) under CLC RQ-4 PPS.

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2	P-1 Line Item Number / Title: RQ4DIS / RQ-4 Post Production Charges	Item Number / Title [DODIC]: Sensors

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	6	-	-	-
Gross/Weapon System Cost (\$ in Millions)	59.801	0.099	67.427	36.234	-	36.234
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	59.801	0.099	67.427	36.234	-	36.234
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	59.801	0.099	67.427	36.234	-	36.234

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

Initial Spares (\$ in Millions)	0.820	1.249	28.913	1.246	-	1.246
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	11.238	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Sensors Cost																		
Recurring Cost																		
MS-177A Sensors ^(†)	9.050	4	36.200	-	-	-	9.925	2	19.850	-	-	-	-	-	-	-	-	-
Auxiliary Equipment B-Kits ^(†)	-	-	-	-	-	-	2.183	4	8.732	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	36.200	-	-	-	-	-	28.582	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Sensors Cost</i>	-	-	36.200	-	-	-	-	-	28.582	-	-	-	-	-	-	-	-	-
Support - Sensors Cost																		
Sensor Calibration	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
Support Equipment & Other System Equipment	-	-	5.500	-	-	-	-	-	6.375	-	-	-	-	-	-	-	-	-
Change Orders	-	-	-	-	-	-	-	-	0.000	-	-	3.180	-	-	-	-	-	3.180
Interim Contractor Support	-	-	-	-	-	-	-	-	8.960	-	-	27.891	-	-	-	-	-	27.891
Other Government Costs	-	-	-	-	-	-	-	-	2.500	-	-	2.733	-	-	-	-	-	2.733
Equipment Installations	-	-	-	-	-	-	-	-	0.000	-	-	0.530	-	-	-	-	-	0.530
Other Contractor Costs	-	-	12.500	-	-	-	-	-	21.010	-	-	1.900	-	-	-	-	-	1.900
Production Test Support	-	-	5.601	-	-	0.099	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Sensors Cost</i>	-	-	23.601	-	-	0.099	-	-	38.845	-	-	36.234	-	-	-	-	-	36.234
Gross/Weapon System Cost	-	-	59.801	-	-	0.099	11.238	6	67.427	-	-	36.234	-	-	-	-	-	36.234

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2	P-1 Line Item Number / Title: RQ4DIS / RQ-4 Post Production Charges	Item Number / Title [DODIC]: Sensors
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:
<p>Remarks: FY19 RQ-4 sensor funding will support the installation of MS-177A sensors, auxiliary equipment B-kits, fairings and windows, as well as provide funding for support equipment, sensor calibration and focus flights, training, data, ICS, and other activities necessary to complete the fielding of the sensors. The B-kits consist of the SIMs, airborne file servers, tooling, and other related equipment.</p> <p>Requirement source: AF-1067</p> <p>-Projected MS-177A schedule- Projected DTE completion: Jun 2020 Projected OTE completion: Feb 2021</p> <p>The MS-177 7-Band sensor system developmental testing efforts are underway and have completed 20 of 21 total flights to proof test the integration. The 7-Band integration results (and fielding) will support the follow on integration of the 10-Band MS-177A sensor upgrade.</p> <p>Funding for this exhibit contained in PE 0305220F.</p> <p>(t) indicates the presence of a P-5a</p>		

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Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2	P-1 Line Item Number / Title: RQ4DIS / RQ-4 Post Production Charges	Item Number / Title [DODIC]: Sensors
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MS-177A Sensors ^(†)		2015	United Technology Corporation Aerospace Systems / Westford, MA	SS / FFP	AFLCMC Wright Patterson AFB	Sep 2017	Oct 2019	2	9.050	N	Aug 2017	Apr 2017
MS-177A Sensors ^(†)		2016	United Technology Corporation Aerospace Systems / Westford, MA	SS / FFP	AFLCMC Wright Patterson AFB	Sep 2017	Oct 2019	2	9.050	N	Aug 2017	Apr 2017
MS-177A Sensors ^(†)		2018	United Technology Corporation Aerospace Systems / Westford, MA	SS / FFP	AFLCMC Wright Patterson AFB	Jun 2018	Jul 2020	2	9.925	N	May 2018	Apr 2017
Auxiliary Equipment B-Kits ^(†)		2018	Northrop Grumman / Palmdale, CA	SS / FFP	AFLCMC Wright Patterson AFB	Sep 2018	Aug 2019	4	2.183	N	Jun 2018	Nov 2017

^(†) indicates the presence of a P-21

Remarks:

FY19 RQ-4 sensor funding will support the installation of MS-177A sensors, auxiliary equipment B-kits, fairings and windows, as well as provide funding for support equipment, sensor calibration and focus flights, training, data, ICS, and other activities necessary to complete the fielding of the sensors. The B-kits consist of the SIMs, airborne file servers, tooling, and other related equipment.

Specs are developmental.

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Exhibit P-21, Production Schedule: PB 2019 Air Force	Date: February 2018
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2	P-1 Line Item Number / Title: RQ4DIS / RQ-4 Post Production Charges	Item Number / Title [DODIC]: Sensors
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2017																	Fiscal Year 2018																	BALANCE
O C C O	M F R #	F Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 1 6	B A L D U E A S O F 1 O C T	Calendar Year 2017																	Calendar Year 2018																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P											
MS-177A Sensors																																									
	1	2015	AF		2	0	2											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2							
	1	2016	AF		2	0	2											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2							
	1	2018	AF		2	0	2																						A	-	-	-	-	2							
Auxiliary Equipment B-Kits																																									
	2	2018	AF		4	0	4																												A	-	4				
									O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S									
									C	O	E	A	E	A	A	U	J	J	U	E	C	O	V	E	A	E	A	A	U	J	J	U	E								
									T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P									

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2 **P-1 Line Item Number / Title:** RQ4DIS / RQ-4 Post Production Charges **Item Number / Title [DODIC]:** Sensors

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2019														Fiscal Year 2020														BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019														Calendar Year 2020														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
MS-177A Sensors																																			
	1	2015	AF	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1								0		
	1	2016	AF	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1								0		
	1	2018	AF	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	
Auxiliary Equipment B-Kits																																			
	2	2018	AF	4	0	4	-	-	-	-	-	-	-	-	-	-	1	1	1	1													0		

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2	P-1 Line Item Number / Title: RQ4DIS / RQ-4 Post Production Charges	Item Number / Title [DODIC]: Sensors
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2021														Fiscal Year 2022														BALANCE
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021														Calendar Year 2022														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
MS-177A Sensors																																			
	1	2015	AF		2	2																								0					
	1	2016	AF		2	2																								0					
	1	2018	AF		2	1	1	-		1																			0						
Auxiliary Equipment B-Kits																																			
	2	2018	AF		4	4																							0						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2	P-1 Line Item Number / Title: RQ4DIS / RQ-4 Post Production Charges	Item Number / Title [DODIC]: Sensors
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2019	1-8-5 For 2019	MAX For 2019	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	United Technology Corporation Aerospace Systems - Westford, MA	1	3	5	0	9	25	34	0	0	0	0
2	Northrop Grumman - Palmdale, CA	1	3	5	0	12	11	23	0	0	0	0

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

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

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Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2	P-1 Line Item Number / Title: RQ4DIS / RQ-4 Post Production Charges	Item Number / Title [DODIC]: RQ-4 Item

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	19.268	4.407	-	4.407
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	19.268	4.407	-	4.407
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	19.268	4.407	-	4.407

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - Optical Bar Camera Cost																		
Recurring Cost																		
OBC SIMs	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Optical Bar Camera Cost</i>	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
Support - RQ-4 Post Production Support Cost																		
Production Line Disposition	-	-	-	-	-	-	-	-	13.000	-	-	-	-	-	-	-	-	-
DMS	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
Change Orders	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
Other Government Costs	-	-	-	-	-	-	-	-	3.518	-	-	0.207	-	-	-	-	-	0.207
PMA Contractor Services	-	-	-	-	-	-	-	-	2.750	-	-	4.200	-	-	-	-	-	4.200
<i>Subtotal: Support - RQ-4 Post Production Support Cost</i>	-	-	-	-	-	-	-	-	19.268	-	-	4.407	-	-	-	-	-	4.407
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	19.268	-	-	4.407	-	-	-	-	-	4.407

Remarks:

FY19 funds to be used for production line shutdown and disposition activities, Diminishing Manufacturing Sources (DMS), change requests, program management support functions, and other related activities required to support the RQ-4 aircraft and sensors.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 2: Post Production Support

P-1 Line Item Number / Title:
 V02200 / CV-22 Mods

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0401318F

Line Item MDAP/MAIS Code: 212

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	21.226	0.000	4.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	25.726
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	21.226	0.000	4.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	25.726
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	21.226	0.000	4.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	25.726

(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 CV-22 is the US Air Force Special Operations Forces (SOF) variant of the joint multi-mission V-22 tilt-rotor aircraft. The aircraft provides long-range infiltration, exfiltration, and re-supply of SOF in politically sensitive and hostile/denied areas. The Navy is the lead service for the joint V-22 program and has overall responsibility for managing all V-22 variants, including the Air Force CV-22 variant.

CV-22 post production support funding enables the seamless transition from the production phase of the program to the operations and support (O&S) phase. Post Production support funding is required to procure support equipment and integrated logistics support (ILS) requirements affiliated with sustainment of CV-22 modifications to improve operational effectiveness, readiness, and aircraft availability of the worldwide CV-22 fleet.

Funding for this exhibit contained in PE 0401318F.

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

Justification:

N/A

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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: 000073 / Industrial Responsiveness
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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: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	14.126	14.739	17.378	0.000	17.378	34.305	18.240	18.606	18.944	-	136.338
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	14.126	14.739	17.378	0.000	17.378	34.305	18.240	18.606	18.944	-	136.338
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	14.126	14.739	17.378	0.000	17.378	34.305	18.240	18.606	18.944	-	136.338

(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 support 1) management and upkeep of government-owned industrial plants; 2) management of industrial base assessments; 3) environmental compliance and pollution prevention at government-owned industrial plants.

2. Four basic activities are funded in this appropriation: Industrial Facilities, Industrial Base Assessments, Environmental Compliance, and Pollution Prevention.

Industrial Facility Capital Type Rehabilitation cost element (MPC 3000): Provides for repair and expansion, major capital rehabilitation, construction, demolition, equipment, property appraisals 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, F-35 Joint Strike Fighter & classified programs.

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. The environmental compliance program includes efforts to enhance compliance through pollution prevention reducing controlled emissions and use of hazardous materials.

Pollution Prevention activities (MPC 6044) at USAF industrial government owned, contractor operated (GOCO) facilities to reduce emission of hazardous materials to air, land, and water, while reducing the cost to the Air Force as facility owner, as a customer for products manufactured in the plants, and through process improvements that can be transitioned to Air Force users. Activities include demonstration and validation of improved processes, materials and equipment that reduce emissions, regulatory burdens, and weapon systems life cycle costs. Also included are energy conservation initiatives, pollution prevention opportunity assessments; and recovery/recycling to minimize hazardous waste. These activities reduce risk to performance, schedule, and cost of the facilities and weapon systems. These activities support the Air Force goals under the Pollution Prevention Act, Executive Order 13693, the AF/CV and SAF/IE Pollution Prevention Policy, the USD(AT&L) hexavalent chromium reduction policy, and the Resource Conservation and Recovery Act. Funding for Poll Prevention moved to PE 78011F in FY16 and beyond. Prior to FY15, these funds were provided through PE 078054F. In FY19 moved from BP19 to BP14.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force		Date: February 2018
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: 000073 / 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		

Funding for this exhibit is contained in PE 78011F.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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:** 000073 / 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

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Industrial Responsiveness				- / -	- / 14.126	- / 14.739	- / 17.378	- / 0.000	- / 17.378
P-40	Total Gross/Weapon System Cost				- / -	- / 14.126	- / 14.739	- / 17.378	- / 0.000	- / 17.378

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

Justification:
 FY2019 requirements are for MPC 3000 Capital Type Rehabilitation, MPC 6000 Industrial Base Assessment, MPC 7000 Environmental Compliance and MPC 6044 Pollution Prevention. Funding for this exhibit is contained in PE 0708011F.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 3 **P-1 Line Item Number / Title:** 000073 / Industrial Responsiveness **Aggregated Items Title:** Industrial Responsiveness

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
Pollution Prevention (6044)	A		-	-	-	-	-	0.000	-	-	0.000	-	-	2.398	-	-	0.000	-	-	2.398
Capital Type Rehabilitation (MPC 3000)	A		-	-	-	-	-	7.597	-	-	6.689	-	-	8.480	-	-	-	-	-	8.480
Industrial Base Assessment (MPC 6000)	A		-	-	-	-	-	0.980	-	-	1.005	-	-	1.000	-	-	-	-	-	1.000
Environmental Compliance (MPC 7000)	A		-	-	-	-	-	5.549	-	-	7.045	-	-	5.500	-	-	-	-	-	5.500
Subtotal: Uncategorized			-	-	-	-	-	14.126	-	-	14.739	-	-	17.378	-	-	0.000	-	-	17.378
Total			-	-	-	-	-	14.126	-	-	14.739	-	-	17.378	-	-	0.000	-	-	17.378

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

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

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:
 C130J0 / C-130J

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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	102.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	102.000
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	102.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	102.000
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	102.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	102.000

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

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

Description:

The C-130J is a medium-size transport aircraft capable of performing a variety of combat delivery (tactical airlift) operations across a broad range of mission environments. The C-130J aircraft, with its extended (by 15 ft.) fuselage, provides additional cargo carrying capacity compared with legacy C-130Hs and the C-130J (short).

Other variants of the USAF C-130J fleet are short-bodied aircraft and include the EC-130J (airborne psychological operations), WC-130J (weather reconnaissance), HC-130J (combat search and rescue), MC-130J (special operations), and the AC-130J (close air support and armed reconnaissance).

Program funding includes Diminishing Manufacturing Sources.

Training systems are required for both initial qualification and continued proficiency and the funding for this exhibit is contained in the Air Mobility Training PE 0401879F.

Justification:

No funding requested for FY19.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 4: War Consumables **P-1 Line Item Number / Title:**
 000074 / War Consumables

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207040F, 0305116F

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	120.036	37.647	29.342	0.000	29.342	32.102	40.759	40.957	41.700	-	342.543
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	120.036	37.647	29.342	0.000	29.342	32.102	40.759	40.957	41.700	-	342.543
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	120.036	37.647	29.342	0.000	29.342	32.102	40.759	40.957	41.700	-	342.543

(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 program provides funding for the procurement of initial/replacement War Consumables and includes commodities such as Miniature Air Launched Decoy Jammers (MALD-J), Fiber Optic Towed Decoys (FOTD), and Rocket-Assisted Take-Off (RATO) motors. These items support War Reserve Materiel (WRM) requirements and fleet inventory objectives across multiple weapon systems.

DESCRIPTION:

The Miniature Air Launched Decoy (MALD) and Jammer (MALD-J) configurations are key enablers supporting Air Force Global Strike, Global Response, Space and C4ISR, and Air and Space Expeditionary Force Concepts of Operation. MALD is a low cost, powered, expendable decoy designed to represent the kinematics and radar signature characteristics of various combat aircraft. The MALD will be employed from various aircraft platforms to stimulate, saturate, and deceive integrated air defense systems (IADS) thus increasing the survivability of strike aircraft. MALD production is complete and transitioned to sustainment. MALD-J is currently in production and is the DODs only stand-in jamming capability for Airborne Electronic Attack Systems. MALD-J is designed to degrade or deny the IADS detection of friendly aircraft or munitions, and is able to operate in both decoy and jammer modes.

The MALD program plans to use some funds to address emerging and short-notice Diminishing Manufacturing and Material Shortage (DMSMS) issues, obsolescence issues, and reliability improvements, including flight testing. FY18 is the final year of MALD funding.

DESCRIPTION:

The ALE-70 Towed Decoy is a countermeasures dispenser system designed to fit into the F-35 Joint Strike Fighter (JSF) aircraft. The ALE-70 provides aircraft self-protection against radar guided missiles. Funds procure all system components: decoys, canisters, and explosive cartridges to deploy the decoys.

DESCRIPTION:

Items Less Than \$5M: The Rocket-Assisted Take-Off (RATO) motor is a solid propellant rocket used to provide launching thrust to the Air Force Subscale Aerial Target (AFSAT) drone (BQM-167). Support items include reefing line cutters, igniters, and initiators. The RATO and the associated support items are single use items.

Funding for this exhibit contained in Program Elements PE 0207442F, 0305116F, and 0207040F.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 4: War Consumables

P-1 Line Item Number / Title:
 000074 / War Consumables

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207040F, 0305116F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	ITEMS LESS THAN \$5,000,000				- / -	- / 0.000	- / 4.560	- / 4.599	- / 0.000	- / 4.599
P-5	MINIATURE AIR LAUNCHED DECOY	P-5a	A		- / -	- / 85.712	- / 0.159	- / 0.000	- / 0.000	- / 0.000
P-40a	Multi-Platform Electronic Warfare Equipment				- / -	- / 34.324	- / 32.928	- / 24.743	- / 0.000	- / 24.743
P-40	Total Gross/Weapon System Cost				- / -	- / 120.036	- / 37.647	- / 29.342	- / 0.000	- / 29.342

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

Justification:
 ALE-70 Towed Decoy: FY19 funds procure all system components: decoys, canisters, and explosive cartridges to deploy the decoys

Items Less Than \$5M: FY19 funding required to procure RATOs, Initiators, Cutter Cartridges, and MK-17 Igniters for BQM-167s.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 4 **P-1 Line Item Number / Title:** 000074 / War Consumables **Aggregated Items Title:** ITEMS LESS THAN \$5,000,000

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
RATO	A		-	-	-	-	-	-	0.032	135	4.310	0.032	136	4.352	-	-	-	0.032	136	4.352
Initiator	A		-	-	-	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Mk-17 Igniter	A		-	-	-	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
H1.4 Cutter	A		-	-	-	-	-	0.000	0.000	1,968	0.250	0.000	1,968	0.247	-	-	0.000	0.000	1,968	0.247
Subtotal: Uncategorized			-	-	-	-	-	0.000	-	-	4.560	-	-	4.599	-	-	0.000	-	-	4.599
Total			-	-	-	-	-	0.000	-	-	4.560	-	-	4.599	-	-	0.000	-	-	4.599

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

Remarks:
RATO procurement costs account for First Article Testing of new assets, transportation costs, inert motors for training, and travel costs

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 4	P-1 Line Item Number / Title: 000074 / War Consumables	Item Number / Title [DODIC]: MINIATURE AIR LAUNCHED DECOY

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	85.712	0.159	0.000	0.000	0.000
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	85.712	0.159	0.000	0.000	0.000
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	85.712	0.159	0.000	0.000	0.000

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - MINIATURE AIR LAUNCHED DECOY Cost																		
Recurring Cost																		
MALD-J LOT 10 ^(†)	-	-	-	0.380	140	53.239	-	-	-	-	-	-	-	-	-	-	-	-
Reliability/Test Support/Obsolescence	-	-	-	-	-	25.922	-	-	0.159	-	-	-	-	-	-	-	-	-
PMA - Government Cost	-	-	-	-	-	2.150	-	-	-	-	-	-	-	-	-	-	-	-
PMA - Contractor Support	-	-	-	-	-	4.401	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
ECO	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	85.712	-	-	0.159	-	-	0.000	-	-	0.000	-	-	0.000
<i>Subtotal: Hardware - MINIATURE AIR LAUNCHED DECOY Cost</i>	-	-	-	-	-	85.712	-	-	0.159	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost	-	-	-	-	-	85.712	-	-	0.159	-	-	0.000	-	-	0.000	-	-	0.000

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force								Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 4			P-1 Line Item Number / Title: 000074 / War Consumables					Item Number / Title [DODIC]: MINIATURE AIR LAUNCHED DECOY				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
MALD-J LOT 10		2017	RAYTHEON / TUCSON	SS / FFP	AFLCMC/PK Eglin AFB, FL	Nov 2016	Sep 2018	140	0.380	Y		Jan 2015

Remarks:
MALD-J
Lot 9 was awarded 29 June 2016 for 360 missiles. 18 missiles were paid for with FY14 3010 funding and 342 missiles were paid for with FY16 3010 funding.
Lot 10 was awarded 10 Nov 2016 for 200 missiles. 60 missiles were paid for with FY16 3010 funding and 140 missiles were paid for with FY17 3010 funding.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 4							P-1 Line Item Number / Title: 000074 / War Consumables							Aggregated Items Title: Multi-Platform Electronic Warfare Equipment					

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware																				
ALE-70 Towed Decoy	A		-	-	-	0.058	318	18.364	0.058	563	32.928	-	-	24.743	-	-	0.000	-	-	24.743
Subtotal: Hardware			-	-	-	-	-	18.364	-	-	32.928	-	-	24.743	-	-	0.000	-	-	24.743
Uncategorized																				
ALE-50 Towed Decoy program	A		-	-	-	15.960	1	15.960	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Uncategorized			-	-	-	-	-	15.960	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	34.324	-	-	32.928	-	-	24.743	-	-	0.000	-	-	24.743

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

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 5: Other Production Charges	P-1 Line Item Number / Title: 000075 / Other Production Charges
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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	1,401.380	1,339.160	1,502.386	0.000	1,502.386	1,334.945	1,324.663	1,420.643	2,173.762	-	10,496.939
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	1,401.380	1,339.160	1,502.386	0.000	1,502.386	1,334.945	1,324.663	1,420.643	2,173.762	-	10,496.939
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	1,401.380	1,339.160	1,502.386	0.000	1,502.386	1,334.945	1,324.663	1,420.643	2,173.762	-	10,496.939

(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 FY19 include funding for sustaining Electronic Attack pods, towed decoys and associated test equipment; B-2 F-15E and F-22 Depot Core Activation; ICBM Helicopter, Aerial Targets 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.

The program has associated Research Development Test and Evaluation funding in PEs 0101113F, 0101127F, 0207134F, 0207138F, 0205219F, 0207249F, 0305145F, 0305116F, 0305220F, and 0401119F.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 5: Other Production Charges

P-1 Line Item Number / Title:
000075 / Other Production Charges

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Arms Control Implementation				- / -	- / 0.522	- / -	- / -	- / -	- / -
P-40a	B-2 Squadrons				- / -	- / 13.026	- / 19.091	- / 13.827	- / -	- / 13.827
P-40a	B-52				- / -	- / 0.000	- / 0.000	- / 0.981	- / 0.000	- / 0.981
P-40a	C-5 Airlift Squadrons (IF)				- / -	- / 0.602	- / 5.067	- / 0.000	- / -	- / 0.000
P-40a	Classified Programs				- / -	- / 1,129.129	- / 1,153.569	- / 1,137.062	- / -	- / 1,137.062
P-40a	Combat Training Range Equipment				- / -	- / 0.599	- / -	- / 8.332	- / -	- / 8.332
P-40a	Electronic Warfare Integrated Reprogramming (EWIR)				- / -	- / 3.134	- / 3.663	- / 3.631	- / -	- / 3.631
P-40a	F-15E Radar Depot Stand-Up				- / -	- / 0.000	- / 28.900	- / 52.271	- / -	- / 52.271
P-40a	F-22A Squad				- / -	- / 51.338	- / 1.847	- / 76.706	- / -	- / 76.706
P-40a	ICBM Helicopter Support				- / -	- / 21.824	- / 11.978	- / 8.884	- / -	- / 8.884
P-40a	Industrial Preparedness				- / -	- / 2.305	- / 2.358	- / 0.000	- / -	- / 0.000
P-40a	MQ-9 UAV				- / -	- / 30.858	- / 36.368	- / 25.671	- / -	- / 25.671
P-40a	Multi-Platform Electronic Warfare Equipment (EW POD)				- / -	- / 53.224	- / 1.103	- / 59.590	- / -	- / 59.590
P-40a	Precision Attack Systems Procurement				- / -	- / 21.461	- / -	- / -	- / -	- / -
P-40a	RQ-4 UAV				- / -	- / 2.578	- / 8.784	- / 0.091	- / -	- / 0.091
P-40a	Service Support to NATO AEWC Program				- / -	- / 49.548	- / 50.652	- / 91.071	- / 0.000	- / 91.071
P-40a	Aerial Targets				- / -	- / 20.476	- / 15.780	- / 24.269	- / -	- / 24.269
P-40a	Supply Depot Operations (Non-IF)				- / -	- / 0.756	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / -	- / 1,401.380	- / 1,339.160	- / 1,502.386	- / 0.000	- / 1,502.386

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: Arms Control Implementation
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / Arms Control Implementation	A		-	-	-	-	-	0.522	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Uncategorized			-	-	-	-	-	0.522	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	0.522	-	-	-	-	-	-	-	-	-	-	-	-

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

Remarks:

Funding for this exhibit contained in PE 0305145F

The OC-135B aircraft supports the implementation of the United States Government (USG) Open Skies Treaty. Mission equipment on the OC-135B includes wet film optical framing and panoramic cameras. Open Skies Sensors program addresses the requirements in the Presidential Policy Directive-15 (PPD-15), which states, "The United States shall begin budgeting no later than Fiscal Year 2014 to upgrade the sensors on the current aircraft by replacing film-based cameras with available electro-optical sensors.(U)" Additionally, current cameras are nearly obsolete, frequently unreliable, hard and increasingly expensive to maintain, and repair parts must be individually manufactured. In addition, the web film manufacturers are discontinuing production of the film stock.

This camera replacement program will replace the wet film cameras with modern, digital cameras. This program will result in modern, digital cameras with higher reliability, maintainability and cost effectiveness. The customer of the imagery will be able to more readily use the imagery products and the equipment service life will be extended significantly.

OC-135B fleet consists of two aircraft. Both aircraft will be modified. One aircraft will be modified during development using RDT&E funds. Each aircraft will receive one A-kit and two B-kits to comply with treaty requirements.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: B-2 Squadrons
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / B-2 Squadrons	A		-	-	-	-	-	13.026	-	-	19.091	-	-	13.827	-	-	-	-	-	13.827
Subtotal: Uncategorized			-	-	-	-	-	13.026	-	-	19.091	-	-	13.827	-	-	-	-	-	13.827
Total			-	-	-	-	-	13.026	-	-	19.091	-	-	13.827	-	-	-	-	-	13.827

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

Remarks:

These funds will be used to achieve Depot Activation of B-2 components and/or continued support for depot overhaul of B-2 components at contractor facilities as well as new components stemming from B-2 aircraft modification programs, as directed by HQ AFMC via the Source of Repair Assignment process and includes associated travel. Depot Activation efforts continue to include purchase of automated test equipment, data, and development of Test Program Set (TPS) software to support establishment of an organic repair capability for B-2 avionics and mechanical components. BP19 funds will also continue to replace multiple obsolete and unsupported Special Test Equipment (STE) and procurement and/or refurbishment of production tooling in use by repair contractors.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: B-52
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / B-52	A		-	-	-	-	-	0.000	-	-	0.000	-	-	0.981	-	-	0.000	-	-	0.981
Subtotal: Uncategorized			-	-	-	-	-	0.000	-	-	0.000	-	-	0.981	-	-	0.000	-	-	0.981
Total			-	-	-	-	-	0.000	-	-	0.000	-	-	0.981	-	-	0.000	-	-	0.981

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

Remarks:
The 1760 Internal Weapons Bay Upgrade (IWBU) Depot Source Of Repair (DSOR) identified the Survivability & Vulnerability (S&V) Junction box as a candidate for depot repair, with OC-ALC designated as the depot.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: C-5 Airlift Squadrons (IF)
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / C-5	A		-	-	-	-	-	0.602	-	-	5.067	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Uncategorized			-	-	-	-	-	0.602	-	-	5.067	-	-	0.000	-	-	-	-	-	0.000
Total			-	-	-	-	-	0.602	-	-	5.067	-	-	0.000	-	-	-	-	-	0.000

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

Remarks:
Funds are to be used to support depot activation requirements for the C-5 modifications.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: Classified Programs
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / Classified Programs	A		-	-	-	-	-	1,129.129	-	-	1,153.569	-	-	1,137.062	-	-	-	-	-	1,137.062
Subtotal: Uncategorized			-	-	-	-	-	1,129.129	-	-	1,153.569	-	-	1,137.062	-	-	-	-	-	1,137.062
Total			-	-	-	-	-	1,129.129	-	-	1,153.569	-	-	1,137.062	-	-	-	-	-	1,137.062

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

Remarks:

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: Combat Training Range Equipment
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / Combat Training Range Equipment	A		-	-	-	-	-	0.599	-	-	-	-	-	8.332	-	-	-	-	-	8.332
Subtotal: Uncategorized			-	-	-	-	-	0.599	-	-	-	-	-	8.332	-	-	-	-	-	8.332
Total			-	-	-	-	-	0.599	-	-	-	-	-	8.332	-	-	-	-	-	8.332

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

Remarks:

The P5 Combat Training System (P5CTS) provides instrumentation to train aircrews in air-to-air, air-to-ground, and ground-to-air combat under simulated combat conditions in any available airspace worldwide and eliminates the need to fly over highly instrumented ground ranges. The system used on-aircraft instrumentation (the P5 pod), communication links, and a ground station to support range safety, training execution, and aircrew debriefings. The system is in sustainment, with an estimated lifecycle through 2030. ACC has established a requirement for additional pods to meet training requirements through that lifecycle.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5							P-1 Line Item Number / Title: 000075 / Other Production Charges							Aggregated Items Title: Electronic Warfare Integrated Reprogramming (EWIR)					

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / Electronic Warfare Integrated Reprogramming (EWIR)	A		-	-	-	-	-	3.134	-	-	3.663	-	-	3.631	-	-	-	-	-	3.631
Subtotal: Uncategorized			-	-	-	-	-	3.134	-	-	3.663	-	-	3.631	-	-	-	-	-	3.631
Total			-	-	-	-	-	3.134	-	-	3.663	-	-	3.631	-	-	-	-	-	3.631

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

Remarks:

This program funds equipment and aircraft system components to provide critical reprogramming of Electronic Warfare (EW) systems for all Air Force and Foreign Military Sales customers. FY19 funding continues these efforts.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5 **P-1 Line Item Number / Title:** 000075 / Other Production Charges **Aggregated Items Title:** F-15E Radar Depot Stand-Up

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / APG-82(V)1 Depot Standup Program Office Estimate	A		-	-	-	-	-	0.000	-	-	28.900	-	-	52.271	-	-	-	-	-	52.271
Subtotal: Uncategorized			-	-	-	-	-	0.000	-	-	28.900	-	-	52.271	-	-	-	-	-	52.271
Total			-	-	-	-	-	0.000	-	-	28.900	-	-	52.271	-	-	-	-	-	52.271

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

Remarks:

Funding for this exhibit is contained in PE 0207134F.

The F-15E is a twin engine, two seat, supersonic dual-role, day/night, all-weather, deep interdiction fighter with multi-role air-to-air capabilities. F-15E Radar Modernization Program (RMP), designated the APG-82(V)1, replaces 217 legacy F-15E radars with an active electronically scanned array radar, using existing technology from other DOD platforms. It solves parts obsolescence problems and provides improved reliability and performance, including air-to-air and air-to-ground modes. It also provides for future growth.

These funds will be used to support depot stand-up/activation for the F-15E APG-82(V)1 radar, also known as the Radar Modernization Program (RMP).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: F-22A Squad
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / F-22	A		-	-	-	-	-	51.338	-	-	1.847	-	-	76.706	-	-	-	-	-	76.706
Subtotal: Uncategorized			-	-	-	-	-	51.338	-	-	1.847	-	-	76.706	-	-	-	-	-	76.706
Total			-	-	-	-	-	51.338	-	-	1.847	-	-	76.706	-	-	-	-	-	76.706

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

Remarks:

This funding provides for out of production system items not directly related to other procurement line items. This funding also provides for depot activations, supporting the F-22's core determination and source of repair at the three Air Logistics Complexes (ALCs). Funding enables initial activation of depot repair capabilities (i.e. tools and equipment, facility modification, and training) for F-22 aircraft, as well as engine components, sub-assemblies, structures, and software.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: ICBM Helicopter Support
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / UH-1N Service Life Extension Program (SLEP)	A		-	-	-	-	-	21.824	-	-	11.978	-	-	8.884	-	-	-	-	-	8.884
Subtotal: Uncategorized			-	-	-	-	-	21.824	-	-	11.978	-	-	8.884	-	-	-	-	-	8.884
Total			-	-	-	-	-	21.824	-	-	11.978	-	-	8.884	-	-	-	-	-	8.884

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

Remarks:

The UH-1N is a 45+ year old helicopter and requires work to address concerns identified within multiple studies which will prevent aircraft groundings. This program will accomplish a Service Life Extension Program (SLEP) for a portion of the UH-1N fleet to address issues with this aging fleet, e.g., structural repairs, replacement of key systems based on structural fatigue, system obsolescence and a diminishing manufacturing industrial base. Additionally, this effort will address safety requirements; Federal Aviation Administration, DoD and engineering mandates; and configuration changes. This effort includes funding for the UH-1N System Program Office (e.g., A&AS, support, travel). The funds budgeted over the FYDP will enable the SLEP of up to 63 aircraft required to meet mission requirements until a UH-1N replacement helicopter can be fielded.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: Industrial Preparedness
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / Industrial Preparedness	A		-	-	-	-	-	2.305	-	-	2.358	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Uncategorized			-	-	-	-	-	2.305	-	-	2.358	-	-	0.000	-	-	-	-	-	0.000
Total			-	-	-	-	-	2.305	-	-	2.358	-	-	0.000	-	-	-	-	-	0.000

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

Remarks:

This budget item covers pollution prevention activities at USAF industrial government owned, contractor operated (GOCO) facilities to reduce emission of hazardous materials to air, land, and water, while reducing the cost to the Air Force as facility owner, as a customer for products manufactured in the plants, and through process improvements that can be transitioned to Air Force users. Activities include demonstration and validation of improved processes, materials and equipment that reduce emissions, regulatory burdens, and weapon systems life cycle costs. Also included are energy conservation initiatives, pollution prevention opportunity assessments; and recovery/recycling to minimize hazardous waste. These activities reduce risk to performance, schedule, and cost of the facilities and weapon systems. These activities support the Air Force goals under the Pollution Prevention Act, Executive Order 13693, the AF/CV and SAF/IE Pollution Prevention Policy, the USD(AT&L) hexavalent chromium reduction policy, and the Resource Conservation and Recovery Act.

Funding for this exhibit is contained in PE 78011F in FY16 and beyond. Prior to FY15, these funds were provided through PE 078054F.

Note this activity moved from BP19 to BP14 beginning FY19.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: MQ-9 UAV
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / MQ-9	A		-	-	-	-	-	30.858	-	-	36.368	-	-	25.671	-	-	-	-	-	25.671
Subtotal: Uncategorized			-	-	-	-	-	30.858	-	-	36.368	-	-	25.671	-	-	-	-	-	25.671
Total			-	-	-	-	-	30.858	-	-	36.368	-	-	25.671	-	-	-	-	-	25.671

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

Remarks:

Funds required for MQ-9 Reaper organic depot maintenance activation. Funds will be used to define, design, produce, deliver, install, checkout, and stand up organic depot maintenance activation capabilities for the MQ-9 Reaper. This includes, but is not limited to, logistics support analysis, depot level support equipment/tooling, depot level technical repair/test data, depot level training, depot level calibration requirements/tools, depot level computer resources, software/software source code, software documentation, and technical data rights needed to perform organic depot maintenance activation.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force															Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5						P-1 Line Item Number / Title: 000075 / Other Production Charges						Aggregated Items Title: Multi-Platform Electronic Warfare Equipment (EW POD)							

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / EW POD	A		-	-	-	-	-	53.224	-	-	1.103	-	-	59.590	-	-	-	-	-	59.590
Subtotal: Uncategorized			-	-	-	-	-	53.224	-	-	1.103	-	-	59.590	-	-	-	-	-	59.590
Total			-	-	-	-	-	53.224	-	-	1.103	-	-	59.590	-	-	-	-	-	59.590

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

Remarks:

Provides funding for sustaining Electronic Attack pods and towed decoys and associated test equipment. This equipment is used to counter adversary ground and airborne radar systems used to detect and target Air Force aircraft.

Funds may be used to address emerging and short-notice Diminishing Manufacturing and Material Shortage (DMSMS) issues.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: Precision Attack Systems Procurement
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / Precision Attack Systems Procurement	A		-	-	-	-	-	21.461	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Uncategorized			-	-	-	-	-	21.461	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	21.461	-	-	-	-	-	-	-	-	-	-	-	-

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

Remarks:
Advanced Targeting Pods (ATPs) provide long-range target acquisition and expanded weapon delivery envelopes for greater aircraft survivability. ATPs feature an infrared (IR) sensor, charged coupled device television (CCD-TV), laser designator, eye-safe laser, laser spot tracker, infrared marker, and real-time video data link for connectivity with ground forces. ATP capabilities, such as high resolution imagery, eye safe laser, high system reliability and smaller deployment footprint provide greater combat effectiveness across several mission areas, including suppression/destruction of enemy air defenses (SEAD/DEAD), precision air interdiction, close air support (CAS), non-traditional intelligence, surveillance and reconnaissance (NT-ISR), reconnaissance, and time-sensitive targeting. This funding supports the production, qualification and integration of ATPs to include all activities necessary for fielding. It includes, but is not limited to, Advanced Targeting Pod (ATP) procurements, OFP verification/qualification testing and integration efforts, Interim Contractor Logistics (ICS) support, containers, site activations, technical data packages, depot standup and program management support. Laser Infrared Targeting and Navigating (LITENING) and Sniper are ATPs currently used by the active duty, Air National Guard (ANG), and Air Force Reserve Command (AFRC). Advanced Targeting Pod - Sensor Enhancement (ATP-SE) is the next increment in ATP capability. Low-Altitude Navigation and Targeting Infrared for Night (LANTIRN) and Pave Penny systems will be phased out as new ATP and ATP-SE systems are acquired. Funds may be used to address emerging and short-notice Diminishing Manufacturing and Material Shortage (DMSMS) issues.

FY17 OCO funds \$8.4M was used for procurement modification on the Advanced Targeting Pods to add Eye-Safe Spot Tracker/Laser Spot Search. Eye-safe Laser Spot Tracker/Laser Spot Search is essential for protection of US ground and coalition forces during the combat identification process. The capability will prevent potential eye damage to friendly forces during ID of targets in urban Environments.

Schedules and quantities are adjusted based upon COCOM priorities.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: RQ-4 UAV
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / RQ-4 UAV	A		-	-	-	-	-	2.578	-	-	8.784	-	-	0.091	-	-	-	-	-	0.091
Subtotal: Uncategorized			-	-	-	-	-	2.578	-	-	8.784	-	-	0.091	-	-	-	-	-	0.091
Total			-	-	-	-	-	2.578	-	-	8.784	-	-	0.091	-	-	-	-	-	0.091

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

Remarks:

Funds required for Global Hawk RQ-4 depot activation, including the procurement of depot repair equipment, spares, technical data, technical data rights, training, and other activities (i.e gap analysis) related to the prioritization and implementation of depot repair capability (organic and/or contract).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force													Date: February 2018						
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5						P-1 Line Item Number / Title: 000075 / Other Production Charges						Aggregated Items Title: Service Support to NATO AEWC Program							

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / NATO AWACS-Modernization Projects	A		-	-	-	-	-	49.548	-	-	50.652	-	-	91.071	-	-	0.000	-	-	91.071
Subtotal: Uncategorized			-	-	-	-	-	49.548	-	-	50.652	-	-	91.071	-	-	0.000	-	-	91.071
Total			-	-	-	-	-	49.548	-	-	50.652	-	-	91.071	-	-	0.000	-	-	91.071

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

Remarks:

NATO E-3 aircraft provide air and maritime surveillance and air control for allied forces in the NATO area of operations. Fiscal Year Defense Plan funding provides 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. These projects include but are not limited to the Follow-on Upgrade Program (FUP I) and future modernization projects. The Follow-on Upgrade program satisfies international airspace mandates for upgraded Communications Navigation Surveillance/Air Traffic Management (CNS/ATM) as well as transponder upgrades for Mode 5 and Enhanced Mode S and includes planning activities for a FUP II effort. Future efforts include but are not limited to FUP II efforts and other modernization projects. These future projects will enable the aircraft to maintain interoperability, meet emerging military requirements and sustain the NATO fleet for the future needs of NATO.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: Aerial Targets
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / Aerial Targets	A		-	-	-	-	-	20.476	-	-	15.780	-	-	24.269	-	-	-	-	-	24.269
Subtotal: Uncategorized			-	-	-	-	-	20.476	-	-	15.780	-	-	24.269	-	-	-	-	-	24.269
Total			-	-	-	-	-	20.476	-	-	15.780	-	-	24.269	-	-	-	-	-	24.269

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

Remarks:

Program procures ALQ-167 and/or DLQ-9 electronic attack pods for target drones including support equipment. Payloads emulate threat aircraft electronic countermeasures and jamming capabilities. FY18 and FY19 funding procures 20 EA payloads each year to support Title 10 Section 2366 lethality testing.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: Supply Depot Operations (Non-IF)
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
000075 / IGE	A		-	-	-	-	-	0.756	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Uncategorized			-	-	-	-	-	0.756	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	0.756	-	-	-	-	-	-	-	-	-	-	-	-

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

Remarks:

For supply depot operations.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 5: Other Production Charges

P-1 Line Item Number / Title:
 11SPEC / Spectrum Relocation Fund

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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	2.918	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	2.918
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	2.918	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	2.918
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	2.918	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	2.918

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

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

Description:

Funding supports Spectrum relocation and sharing activities.

Justification:

No FY19 funding is requested.

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Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 5: Other Production Charges	P-1 Line Item Number / Title: OTHACF / Other Aircraft
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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: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	0.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.600
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	0.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.600
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	0.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.600

(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 funding is loaded in BA 7 BSA 0705 in error. These funding should be in BA 5 BSA 0505.

Justification:

Funding is for BA 5 Other Aircraft DMO Modifications.

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