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**Department of Defense
Fiscal Year (FY) 2023 Budget Estimates**

April 2022



Air Force

Justification Book Volume 1 of 2

Aircraft Procurement, Air Force

Vol 1

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Air Force • Budget Estimates FY 2023 • Procurement

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Appropriation Language
Fiscal Year (FY) 2023 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, \$18,383,213,000 to remain available for obligations until September 30, 2025.

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Department of the Air Force
 FY 2023 President's Budget
 Exhibit P-1 FY 2023 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: Aircraft Procurement, Air Force

Budget Activity -----	FY 2021 (Base + OCO) -----	FY 2022 Less Supplementals Enactment -----	FY 2022 Division B Division C P.L.117-43 Enactment* -----	FY 2022 Division B P.L.117-70 Enactment** -----
01. Combat Aircraft	7,604,747	5,920,526		
02. Airlift Aircraft	3,908,350	4,894,270		
03. Trainer Aircraft				
04. Other Aircraft	2,058,194	1,225,826		
05. Modification of Inservice Aircraft	3,561,934	3,879,380		
06. Aircraft Spares and Repair Parts	818,307	1,007,068		
07. Aircraft Supt Equipment & Facilities	1,520,124	1,456,143		
Total Aircraft Procurement, Air Force	19,471,656	18,383,213		

P-123PBP: FY 2023 President's Budget (Total Base Published Version), as of March 25, 2022 at 15:48:45

*Includes enacted funding pursuant to the Extending Government Funding and Delivering Emergency Assistance Act (Public Law 117-43).

**Includes enacted funding pursuant to the Further Extending Government Funding Act (Public Law 117-70).

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Department of the Air Force
 FY 2023 President's Budget
 Exhibit P-1 FY 2023 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: Aircraft Procurement, Air Force

Budget Activity -----	FY 2022 Division A P.L. 117-86 Enactment*** -----	FY 2022 Division N P.L. 117-103 Enactment**** -----	FY 2022 Total Supplemental Enactment -----	FY 2022 Total Enactment -----
01. Combat Aircraft				5,920,526
02. Airlift Aircraft				4,894,270
03. Trainer Aircraft				
04. Other Aircraft				1,225,826
05. Modification of Inservice Aircraft				3,879,380
06. Aircraft Spares and Repair Parts				1,007,068
07. Aircraft Supt Equipment & Facilities				1,456,143
Total Aircraft Procurement, Air Force				18,383,213

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Department of the Air Force
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

25 Mar 2022

Appropriation: Aircraft Procurement, Air Force

Budget Activity -----	FY 2023 Request -----
01. Combat Aircraft	8,388,587
02. Airlift Aircraft	2,800,147
03. Trainer Aircraft	10,507
04. Other Aircraft	1,082,979
05. Modification of Inservice Aircraft	4,257,137
06. Aircraft Spares and Repair Parts	623,661
07. Aircraft Supt Equipment & Facilities	1,354,410
Total Aircraft Procurement, Air Force	18,517,428

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Department of the Air Force
 FY 2023 President's Budget
 Exhibit P-1 FY 2023 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO)		FY 2022 Less Supplementals Enactment		FY 2022 Division B Division C P.L.117-43 Enactment*		FY 2022 Division B P.L.117-70 Enactment**		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Combat Aircraft											

Strategic Offensive											
1	B-21 Raider	A									U
	Less: Advance Procurement (PY)										U
			-----		-----		-----		-----		
2	B-21 Raider										U
	Advance Procurement (CY)					108,027					
	C (FY 2022 for FY 2023) (M)					(108,027)					
	C (FY 2023 for FY 2024) (M)										
Tactical Forces											
3	F-35	A	60	(6,197,300)	48	(4,764,804)					U
	Less: Advance Procurement (PY)			(-570,500)		(-547,200)					U
				-----		-----		-----		-----	
				5,626,800		4,217,604					
4	F-35										U
	Advance Procurement (CY)			610,800		342,536					
	C (FY 2021 for FY 2022) (M)			(462,200)							
	C (FY 2021 for FY 2023) (M)			(148,600)							
	C (FY 2022 for FY 2023) (M)					(342,536)					
	C (FY 2023 for FY 2024) (M)										
	C (FY 2023 for FY 2025) (M)										

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Department of the Air Force
 FY 2023 President's Budget
 Exhibit P-1 FY 2023 President's Budget
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 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment***		FY 2022 Division N P.L. 117-103 Enactment****		FY 2022 Total Supplemental Enactment		FY 2022 Total Enactment		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Combat Aircraft											

Strategic Offensive											
1	B-21 Raider	A									U
	Less: Advance Procurement (PY)										U
2	B-21 Raider										
	Advance Procurement (CY)									108,027	U
	C (FY 2022 for FY 2023) (M)									(108,027)	
	C (FY 2023 for FY 2024) (M)										
Tactical Forces											
3	F-35	A								48	(4,764,804) U
	Less: Advance Procurement (PY)										(-547,200) U
											4,217,604
4	F-35										
	Advance Procurement (CY)										342,536 U
	C (FY 2021 for FY 2022) (M)										
	C (FY 2021 for FY 2023) (M)										
	C (FY 2022 for FY 2023) (M)										
	C (FY 2023 for FY 2024) (M)										(342,536)
	C (FY 2023 for FY 2025) (M)										

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Department of the Air Force
 FY 2023 President's Budget
 Exhibit P-1 FY 2023 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2023		S e c
			Request Quantity	Cost	
Budget Activity 01: Combat Aircraft					

Strategic Offensive					
1	B-21 Raider	A		(1,606,458)	U
	Less: Advance Procurement (PY)			(-108,027)	U

				1,498,431	
2	B-21 Raider				
	Advance Procurement (CY)			288,165	U
	C (FY 2022 for FY 2023) (M)				
	C (FY 2023 for FY 2024) (M)			(288,165)	
Tactical Forces					
3	F-35	A	33	(3,811,893)	U
	Less: Advance Procurement (PY)			(-491,136)	U

				3,320,757	
4	F-35				
	Advance Procurement (CY)			594,886	U
	C (FY 2021 for FY 2022) (M)				
	C (FY 2021 for FY 2023) (M)				
	C (FY 2022 for FY 2023) (M)				
	C (FY 2023 for FY 2024) (M)			(513,825)	
	C (FY 2023 for FY 2025) (M)			(81,061)	

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Department of the Air Force
 FY 2023 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO)		FY 2022 Less Supplementals Enactment		FY 2022 Division B Division C P.L.117-43 Enactment*		FY 2022 Division B P.L.117-70 Enactment**		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
5	F-15EX	A	12	(1,233,647)	12	(1,237,940)					U
	Less: Advance Procurement (PY)					(-133,500)					U
				1,233,647		1,104,440					
6	F-15EX										
	Advance Procurement (CY)			133,500		147,919					U
	C (FY 2021 for FY 2022) (M)			(133,500)							
	C (FY 2022 for FY 2023) (M)					(147,919)					
	C (FY 2023 for FY 2024) (M)										
	Total Combat Aircraft			7,604,747		5,920,526					
Budget Activity 02: Airlift Aircraft											

Tactical Airlift											
7	KC-46A MDAP	A	16	2,728,113	14	2,289,015					U
Other Airlift											
8	C-130J	A	8	797,131	21	2,385,206					U
9	MC-130J	A	3	(407,486)	3	(266,049)					U
	Less: Advance Procurement (PY)			(-54,380)		(-46,000)					U
				353,106		220,049					
10	MC-130J										
	Advance Procurement (CY)			30,000							U
	C (FY 2021 for FY 2022) (M)			(30,000)							
	Total Airlift Aircraft			3,908,350		4,894,270					

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Department of the Air Force
 FY 2023 President's Budget
 Exhibit P-1 FY 2023 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment***		FY 2022 Division N P.L. 117-103 Enactment****		FY 2022 Total Supplemental Enactment		FY 2022 Total Enactment		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
5	F-15EX	A							12	(1,237,940)	U
	Less: Advance Procurement (PY)									(-133,500)	U
										1,104,440	
6	F-15EX									147,919	U
	Advance Procurement (CY)										
	C (FY 2021 for FY 2022) (M)									(147,919)	
	C (FY 2022 for FY 2023) (M)										
	C (FY 2023 for FY 2024) (M)										
	Total Combat Aircraft									5,920,526	
Budget Activity 02: Airlift Aircraft											

Tactical Airlift											
7	KC-46A MDAP	A							14	2,289,015	U
Other Airlift											
8	C-130J	A							21	2,385,206	U
9	MC-130J	A							3	(266,049)	U
	Less: Advance Procurement (PY)									(-46,000)	U
										220,049	
10	MC-130J										U
	Advance Procurement (CY)										
	C (FY 2021 for FY 2022) (M)										
	Total Airlift Aircraft									4,894,270	

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Department of the Air Force
 FY 2023 President's Budget
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 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2023 Request		S e c
			Quantity	Cost	
5	F-15EX	A	24	(2,570,267)	U
	Less: Advance Procurement (PY)			(-147,919)	U

				2,422,348	
6	F-15EX				
	Advance Procurement (CY)			264,000	U
	C (FY 2021 for FY 2022) (M)				
	C (FY 2022 for FY 2023) (M)				
	C (FY 2023 for FY 2024) (M)			(264,000)	

				8,388,587	
Total Combat Aircraft					
Budget Activity 02: Airlift Aircraft					

Tactical Airlift					
7	KC-46A MDAP	A	15	2,684,503	U
Other Airlift					
8	C-130J	A		75,293	U
9	MC-130J	A		(40,351)	U
	Less: Advance Procurement (PY)				U

				40,351	
10	MC-130J				
	Advance Procurement (CY)				U
	C (FY 2021 for FY 2022) (M)				

				2,800,147	
Total Airlift Aircraft					

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Department of the Air Force
 FY 2023 President's Budget
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 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO)		FY 2022 Less Supplementals Enactment		FY 2022 Division B Division C P.L.117-43 Enactment*		FY 2022 Division B Division B P.L.117-70 Enactment**		S e c -
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 03: Trainer Aircraft											

UPT Trainers											
11	Advanced Trainer Replacement T-X	A									U
Total Trainer Aircraft											
Budget Activity 04: Other Aircraft											

Helicopters											
12	MH-139A	A		194,016	8	141,360					U
13	Combat Rescue Helicopter	A	19	938,309	14	743,921					U
14	CV-22 Osprey	A	2	206,220							U
Mission Support Aircraft											
15	Civil Air Patrol A/C	A		11,200		11,400					U
Other Aircraft											
16	Target Drones	A	64	133,273	22	112,443					U
17	Compass Call	A		159,867							U
18	E-11 BACN/HAG	A		63,419	2	124,435					U
19	MQ-9	A	16	338,120	4	92,267					U
20	RQ-20B Puma	A	20	13,770							U

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Department of the Air Force
 FY 2023 President's Budget
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 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment***		FY 2022 Division N P.L. 117-103 Enactment****		FY 2022 Total Supplemental Enactment		FY 2022 Total Enactment		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 03: Trainer Aircraft											

UPT Trainers											
11	Advanced Trainer Replacement T-X	A									U
Total Trainer Aircraft											
Budget Activity 04: Other Aircraft											

Helicopters											
12	MH-139A	A							8	141,360	U
13	Combat Rescue Helicopter	A							14	743,921	U
14	CV-22 Osprey	A									U
Mission Support Aircraft											
15	Civil Air Patrol A/C	A								11,400	U
Other Aircraft											
16	Target Drones	A							22	112,443	U
17	Compass Call	A									U
18	E-11 BACN/HAG	A							2	124,435	U
19	MQ-9	A							4	92,267	U
20	RQ-20B Puma	A									U

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Department of the Air Force
 FY 2023 President's Budget
 Exhibit P-1 FY 2023 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2023 Request		S e c
			Quantity	Cost	
Budget Activity 03: Trainer Aircraft					

UPT Trainers					
11	Advanced Trainer Replacement T-X	A		10,507	U
Total Trainer Aircraft				----- 10,507	
Budget Activity 04: Other Aircraft					

Helicopters					
12	MH-139A	A	5	156,192	U
13	Combat Rescue Helicopter	A	10	707,018	U
14	CV-22 Osprey	A			U
Mission Support Aircraft					
15	Civil Air Patrol A/C	A		2,952	U
Other Aircraft					
16	Target Drones	A	27	128,906	U
17	Compass Call	A			U
18	E-11 BACN/HAG	A	1	67,260	U
19	MQ-9	A		17,039	U
20	RQ-20B Puma	A			U

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25 Mar 2022

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Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO)		FY 2022 Less Supplementals Enactment		FY 2022 Division B Division C P.L.117-43 Enactment*		FY 2022 Division B Division B P.L.117-70 Enactment**		S e c -
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
21	Agility Prime Procurement	A									U
Total Other Aircraft				2,058,194		1,225,826					
Budget Activity 05: Modification of Inservice Aircraft											

Strategic Aircraft											
22	B-2A	A		30,819		29,944					U
23	B-1B	A		17,825		27,406					U
24	B-52	A		18,081		70,420					U
25	Large Aircraft Infrared Countermeasures	A		56,320		57,001					U
Tactical Aircraft											
26	A-10	A		135,793		83,621					U
27	E-11 BACN/HAG	A		28,401		68,955					U
28	F-15	A		161,594		178,953					U
29	F-16	A		613,382		612,408					U
30	F-22A	A		357,586		407,927					U
31	F-35 Modifications	A		220,832		247,928					U
32	F-15 EPAW	A			18	149,797					U
33	Increment 3.2b	A		1,289							U
34	KC-46A MDAP	A		2,000		1,984					U

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25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment***		FY 2022 Division N P.L. 117-103 Enactment****		FY 2022 Total Supplemental Enactment		FY 2022 Total Enactment		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
21	Agility Prime Procurement	A									U
Total Other Aircraft										1,225,826	
Budget Activity 05: Modification of Inservice Aircraft											

Strategic Aircraft											
22	B-2A	A								29,944	U
23	B-1B	A								27,406	U
24	B-52	A								70,420	U
25	Large Aircraft Infrared Countermeasures	A								57,001	U
Tactical Aircraft											
26	A-10	A								83,621	U
27	E-11 BACN/HAG	A								68,955	U
28	F-15	A								178,953	U
29	F-16	A								612,408	U
30	F-22A	A								407,927	U
31	F-35 Modifications	A								247,928	U
32	F-15 EPAW	A							18	149,797	U
33	Increment 3.2b	A									U
34	KC-46A MDAP	A								1,984	U

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25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2023 Request		S e c
			Quantity	Cost	
21	Agility Prime Procurement	A	5	3,612	U
Total Other Aircraft				1,082,979	
Budget Activity 05: Modification of Inservice Aircraft					
Strategic Aircraft					
22	B-2A	A		106,752	U
23	B-1B	A		36,313	U
24	B-52	A		127,854	U
25	Large Aircraft Infrared Countermeasures	A		25,286	U
Tactical Aircraft					
26	A-10	A		83,972	U
27	E-11 BACN/HAG	A		10,309	U
28	F-15	A		194,379	U
29	F-16	A		700,455	U
30	F-22A	A		764,222	U
31	F-35 Modifications	A		414,382	U
32	F-15 EPAW	A	19	259,837	U
33	Increment 3.2b	A			U
34	KC-46A MDAP	A		467	U

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25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO)		FY 2022 Less Supplementals Enactment		FY 2022 Division B Division C P.L.117-43 Enactment*		FY 2022 Division B Division C P.L.117-70 Enactment**		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Airlift Aircraft											
35	C-5	A		50,279		20,330					U
36	C-17A	A		44,798		54,649					U
37	C-32A	A		2,947		1,949					U
38	C-37A	A		12,985		5,984					U
Trainer Aircraft											
39	Glider Mods	A		1,172		142					U
40	T-6	A		9,334		8,735					U
41	T-1	A		4,465		872					U
42	T-38	A		40,806		45,039					U
Other Aircraft											
43	Spectrum Relocation Fund	A		2,634							U
44	U-2 Mods			120,217		121,009					U
45	KC-10A (ATCA)	A		117		1,902					U
46	C-21	A									U
47	VC-25A Mod	A		1,983		96					U
48	C-40	A		7,252		10,262					U
49	C-130	A		263,600		272,251					U
50	C-130J Mods	A		135,882		110,784					U

P-123PBP: FY 2023 President's Budget (Total Base Published Version), as of March 25, 2022 at 15:48:45

*Includes enacted funding pursuant to the Extending Government Funding and Delivering Emergency Assistance Act (Public Law 117-43).

**Includes enacted funding pursuant to the Further Extending Government Funding Act (Public Law 117-70).

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Department of the Air Force
 FY 2023 President's Budget
 Exhibit P-1 FY 2023 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment***		FY 2022 Division N P.L. 117-103 Enactment****		FY 2022 Total Supplemental Enactment		FY 2022 Total Enactment		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Airlift Aircraft											
35	C-5	A							20,330		U
36	C-17A	A							54,649		U
37	C-32A	A							1,949		U
38	C-37A	A							5,984		U
Trainer Aircraft											
39	Glider Mods	A							142		U
40	T-6	A							8,735		U
41	T-1	A							872		U
42	T-38	A							45,039		U
Other Aircraft											
43	Spectrum Relocation Fund	A									U
44	U-2 Mods								121,009		U
45	KC-10A (ATCA)	A							1,902		U
46	C-21	A									U
47	VC-25A Mod	A							96		U
48	C-40	A							10,262		U
49	C-130	A							272,251		U
50	C-130J Mods	A							110,784		U

P-123PBP: FY 2023 President's Budget (Total Base Published Version), as of March 25, 2022 at 15:48:45

***Includes enacted funding pursuant to the Further Additional Extending Government Funding Act (Public Law 117-86).

****Includes enacted funding pursuant to the Ukraine Supplemental Appropriations Act (Public Law 117-103).

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Department of the Air Force
 FY 2023 President's Budget
 Exhibit P-1 FY 2023 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2023		S e c
			Request Quantity	Cost	
----	-----	----	-----	----	-
Airlift Aircraft					
35	C-5	A		46,027	U
36	C-17A	A		152,009	U
37	C-32A	A		4,068	U
38	C-37A	A		6,062	U
Trainer Aircraft					
39	Glider Mods	A		149	U
40	T-6	A		6,215	U
41	T-1	A		6,262	U
42	T-38	A		111,668	U
Other Aircraft					
43	Spectrum Relocation Fund	A			U
44	U-2 Mods			81,650	U
45	KC-10A (ATCA)	A		3,443	U
46	C-21	A		2,024	U
47	VC-25A Mod	A		2,146	U
48	C-40	A		2,197	U
49	C-130	A		114,268	U
50	C-130J Mods	A		112,299	U

P-123PBP: FY 2023 President's Budget (Total Base Published Version), as of March 25, 2022 at 15:48:45

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Department of the Air Force
 FY 2023 President's Budget
 Exhibit P-1 FY 2023 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO)		FY 2022 Less Supplementals Enactment		FY 2022 Division B Division C P.L.117-43 Enactment*		FY 2022 Division B P.L.117-70 Enactment**		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
51	C-135	A		72,350		58,776					U
52	Compass Call	A		180,983		195,098					U
53	RC-135	A		191,332		207,596					U
54	E-3	A		107,328		91,301					U
55	E-4	A		44,140		19,081					U
56	E-8	A		22,037		16,312					U
57	Airborne Warning and Cntrl Sys (AWACS) 40/45	A		47,276		24,827					U
58	Family of Beyond Line-of-Sight Terminals	A		1,573							U
59	H-1	A		4,410		1,533					U
60	H-60	A		26,428		14,479					U
61	Combat Rescue Helicopter Modification	A									U
62	RQ-4 Mods	A		3,350		3,205					U
63	HC/MC-130 Modifications	A		76,573		147,993					U
64	Other Aircraft	A		103,854		54,828					U
65	MQ-9 Mods	A		155,011		144,287					U
66	MQ-9 UAS Payloads	A		63,500		55,200					U
67	Senior Leader C3, System - Aircraft	A				23,554					U
68	CV-22 Mods	A		119,396		230,962					U
Total Modification of Inservice Aircraft				3,561,934		3,879,380					

P-123PBP: FY 2023 President's Budget (Total Base Published Version), as of March 25, 2022 at 15:48:45

*Includes enacted funding pursuant to the Extending Government Funding and Delivering Emergency Assistance Act (Public Law 117-43).

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Department of the Air Force
 FY 2023 President's Budget
 Exhibit P-1 FY 2023 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment***		FY 2022 Division N P.L. 117-103 Enactment****		FY 2022 Total Supplemental Enactment		FY 2022 Total Enactment		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
51	C-135	A							58,776		U
52	Compass Call	A							195,098		U
53	RC-135	A							207,596		U
54	E-3	A							91,301		U
55	E-4	A							19,081		U
56	E-8	A							16,312		U
57	Airborne Warning and Cntrl Sys (AWACS) 40/45	A							24,827		U
58	Family of Beyond Line-of-Sight Terminals	A									U
59	H-1	A							1,533		U
60	H-60	A							14,479		U
61	Combat Rescue Helicopter Modification	A									U
62	RQ-4 Mods	A							3,205		U
63	HC/MC-130 Modifications	A							147,993		U
64	Other Aircraft	A							54,828		U
65	MQ-9 Mods	A							144,287		U
66	MQ-9 UAS Payloads	A							55,200		U
67	Senior Leader C3, System - Aircraft	A							23,554		U
68	CV-22 Mods	A							230,962		U
Total Modification of Inservice Aircraft									3,879,380		

P-123PBP: FY 2023 President's Budget (Total Base Published Version), as of March 25, 2022 at 15:48:45

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Department of the Air Force
 FY 2023 President's Budget
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 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2023 Request		S e c
			Quantity	Cost	
51	C-135	A		149,023	U
52	Compass Call	A		16,630	U
53	RC-135	A		212,828	U
54	E-3	A		54,247	U
55	E-4	A		5,973	U
56	E-8	A		16,610	U
57	Airborne Warning and Cntrl Sys (AWACS) 40/45	A			U
58	Family of Beyond Line-of-Sight Terminals	A			U
59	H-1	A		1,757	U
60	H-60	A		10,820	U
61	Combat Rescue Helicopter Modification	A		3,083	U
62	RQ-4 Mods	A		1,286	U
63	HC/MC-130 Modifications	A		138,956	U
64	Other Aircraft	A		29,029	U
65	MQ-9 Mods	A		64,370	U
66	MQ-9 UAS Payloads	A			U
67	Senior Leader C3, System - Aircraft	A		24,784	U
68	CV-22 Mods	A		153,026	U
Total Modification of Inservice Aircraft				4,257,137	

P-123PBP: FY 2023 President's Budget (Total Base Published Version), as of March 25, 2022 at 15:48:45

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Department of the Air Force
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 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO)		FY 2022 Less Supplementals Enactment		FY 2022 Division B Division C P.L.117-43 Enactment*		FY 2022 Division B Division B P.L.117-70 Enactment**		S e c -
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 06: Aircraft Spares and Repair Parts											

Aircraft Spares and Repair Parts											
69	Initial Spares/Repair Parts	A	818,307		1,007,068						U
Total Aircraft Spares and Repair Parts			818,307		1,007,068						
Budget Activity 07: Aircraft Supt Equipment & Facilities											

Common Support Equipment											
70	Aircraft Replacement Support Equip	A	140,901		138,761						U
Post Production Support											
71	B-2A	A	1,683		1,651						U
72	B-2B	A	37,310		38,811						U
73	B-52	A	1,034		3,602						U
74	F-15	A	2,632		2,324						U
75	F-16	A	13,484		10,456						U
76	Other Aircraft	A	4,595								U
77	MQ9 Post Prod	A									U
78	RQ-4 Post Production Charges	A	1,750		24,592						U
Industrial Preparedness											
79	Industrial Responsiveness	A	18,215		18,110						U

P-123PBP: FY 2023 President's Budget (Total Base Published Version), as of March 25, 2022 at 15:48:45

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Department of the Air Force
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25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment***		FY 2022 Division N P.L. 117-103 Enactment****		FY 2022 Total Supplemental Enactment		FY 2022 Total Enactment		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 06: Aircraft Spares and Repair Parts											

Aircraft Spares and Repair Parts											
69	Initial Spares/Repair Parts	A								1,007,068	U
Total Aircraft Spares and Repair Parts										1,007,068	
Budget Activity 07: Aircraft Supt Equipment & Facilities											

Common Support Equipment											
70	Aircraft Replacement Support Equip	A								138,761	U
Post Production Support											
71	B-2A	A								1,651	U
72	B-2B	A								38,811	U
73	B-52	A								3,602	U
74	F-15	A								2,324	U
75	F-16	A								10,456	U
76	Other Aircraft	A									U
77	MQ9 Post Prod	A									U
78	RQ-4 Post Production Charges	A								24,592	U
Industrial Preparedness											
79	Industrial Responsiveness	A								18,110	U

P-123PBP: FY 2023 President's Budget (Total Base Published Version), as of March 25, 2022 at 15:48:45

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Department of the Air Force
 FY 2023 President's Budget
 Exhibit P-1 FY 2023 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2023 Request		S e c
			Quantity	Cost	
Budget Activity 06: Aircraft Spares and Repair Parts					

Aircraft Spares and Repair Parts					
69	Initial Spares/Repair Parts	A		623,661	U
Total Aircraft Spares and Repair Parts				623,661	

Budget Activity 07: Aircraft Supt Equipment & Facilities					

Common Support Equipment					
70	Aircraft Replacement Support Equip	A		138,935	U
Post Production Support					
71	B-2A	A		1,802	U
72	B-2B	A		36,325	U
73	B-52	A		5,883	U
74	F-15	A		2,764	U
75	F-16	A		5,102	U
76	Other Aircraft	A			U
77	MQ9 Post Prod	A		7,069	U
78	RQ-4 Post Production Charges	A		40,845	U
Industrial Preparedness					
79	Industrial Responsiveness	A		19,128	U

P-123PBP: FY 2023 President's Budget (Total Base Published Version), as of March 25, 2022 at 15:48:45

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Department of the Air Force
 FY 2023 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO)		FY 2022 Less Supplementals Enactment		FY 2022 Division B Division C P.L.117-43 Enactment*		FY 2022 Division B Division B P.L.117-70 Enactment**		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
	War Consumables										
80	War Consumables	A		32,046		35,866					U
	Other Production Charges										
81	Other Production Charges	A		1,244,780		1,163,878					U
83	Cancelled Acct Adjustments	A		2							U
999	Classified Programs			21,692		18,092					U
	Total Aircraft Supt Equipment & Facilities			1,520,124		1,456,143					
	Total Aircraft Procurement, Air Force			19,471,656		18,383,213					

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Department of the Air Force
 FY 2023 President's Budget
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 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment***		FY 2022 Division N P.L. 117-103 Enactment****		FY 2022 Total Supplemental Enactment		FY 2022 Total Enactment		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
	War Consumables										
80	War Consumables	A								35,866	U
	Other Production Charges										
81	Other Production Charges	A								1,163,878	U
83	Cancelled Acct Adjustments	A									U
999	Classified Programs									18,092	U
	Total Aircraft Supt Equipment & Facilities									1,456,143	
	Total Aircraft Procurement, Air Force									18,383,213	

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Department of the Air Force
 FY 2023 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

25 Mar 2022

Appropriation: 3010F Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	FY 2023 Request		S e c
			Quantity	Cost	
	War Consumables				
80	War Consumables	A		31,165	U
	Other Production Charges				
81	Other Production Charges	A		1,047,300	U
83	Cancelled Acct Adjustments	A			U
999	Classified Programs			18,092	U
	Total Aircraft Supt Equipment & Facilities			1,354,410	
	Total Aircraft Procurement, Air Force			18,517,428	

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B-52	B05200	24	05	01.....	Volume 2 - 49
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C-130J	C130J0	8	02	03.....	Volume 1 - 39
C-130J Mods	C1300J	50	05	05.....	Volume 2 - 401
C-135	C13500	51	05	05.....	Volume 2 - 413
C-17A	C01700	36	05	03.....	Volume 2 - 325

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Line Item Title	Line Item Number	Line #	BA	BSA	Page
C-21	C02100	46	05	05.....	Volume 2 - 383
C-32A	C03200	37	05	03.....	Volume 2 - 339
C-37A	C03700	38	05	03.....	Volume 2 - 341
C-40	C04000	48	05	05.....	Volume 2 - 387
C-5	C00500	35	05	03.....	Volume 2 - 309
CV-22 Mods	V02200	68	05	05.....	Volume 2 - 663
CV-22 Osprey	V022A0	14	04	01.....	Volume 1 - 79
Civil Air Patrol A/C	CAPAC0	15	04	04.....	Volume 1 - 91
Combat Rescue Helicopter	H060WH	13	04	01.....	Volume 1 - 71
Combat Rescue Helicopter Modification	H060WM	61	05	05.....	Volume 2 - 501
Compass Call	CALL00	17	04	05.....	Volume 1 - 101
Compass Call	CALL00	52	05	05.....	Volume 2 - 441
E-11 BACN/HAG	E011A1	18	04	05.....	Volume 1 - 117
E-11 BACN/HAG	E011A0	27	05	02.....	Volume 2 - 107
E-3	E00300	54	05	05.....	Volume 2 - 461
E-4	E00400	55	05	05.....	Volume 2 - 471
E-8	E00800	56	05	05.....	Volume 2 - 475
F-15	F01500	74	07	02.....	Volume 1 - 187
F-15	F01500	28	05	02.....	Volume 2 - 123
F-15 EPAW	F15EWS	32	05	02.....	Volume 2 - 295

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Line Item Title	Line Item Number	Line #	BA	BSA	Page
F-15EX	F015EX	5	01	03.....	Volume 1 - 19
F-15EX, Advance Procurement	F015EX	6	01	03.....	Volume 1 - 25
F-16	F0160P	75	07	02.....	Volume 1 - 191
F-16	F01600	29	05	02.....	Volume 2 - 151
F-22A	F02200	30	05	02.....	Volume 2 - 195
F-35	ATA000	3	01	03.....	Volume 1 - 5
F-35, Advance Procurement	ATA000	4	01	03.....	Volume 1 - 7
F-35 Modifications	F03500	31	05	02.....	Volume 2 - 225
Family of Beyond Line-of-Sight Terminals	FBLOST	58	05	05.....	Volume 2 - 487
Glider Mods	GLID00	39	05	04.....	Volume 2 - 343
H-1	H00100	59	05	05.....	Volume 2 - 489
H-60	H06000	60	05	05.....	Volume 2 - 491
HC/MC-130 Modifications	HCMC00	63	05	05.....	Volume 2 - 531
Increment 3.2b	F2232B	33	05	02.....	Volume 2 - 301
Industrial Responsiveness	000073	79	07	03.....	Volume 1 - 203
Initial Spares/Repair Parts	000999	69	06	10.....	Volume 1 - 135
KC-10A (ATCA)	C01000	45	05	05.....	Volume 2 - 381
KC-46A MDAP	KC046A	7	02	02.....	Volume 1 - 35
KC-46A MDAP	KC046A	34	05	02.....	Volume 2 - 307
Large Aircraft Infrared Countermeasures	LAIRCM	25	05	01.....	Volume 2 - 75

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Line Item Title	Line Item Number	Line #	BA	BSA	Page
MC-130J	C130JM	9	02	03.....	Volume 1 - 53
MC-130J, Advance Procurement	C130JM	10	02	03.....	Volume 1 - 57
MH-139A	H0106O	12	04	01.....	Volume 1 - 67
MQ-9	PRDTB1	19	04	05.....	Volume 1 - 119
MQ-9 Mods	PRDTB2	65	05	05.....	Volume 2 - 623
MQ-9 UAS Payloads	PRDTB3	66	05	05.....	Volume 2 - 653
MQ9 Post Prod	PRDTB5	77	07	02.....	Volume 1 - 197
Other Aircraft	OTHACF	76	07	02.....	Volume 1 - 193
Other Aircraft	OTHACF	64	05	05.....	Volume 2 - 613
Other Production Charges	000075	81	07	05.....	Volume 1 - 213
RC-135	DARP01	53	05	05.....	Volume 2 - 449
RQ-20B Puma	Q020BR	20	04	05.....	Volume 1 - 127
RQ-4 Mods	HAWK00	62	05	05.....	Volume 2 - 503
RQ-4 Post Production Charges	RQ4DIS	78	07	02.....	Volume 1 - 199
Senior Leader C3, System - Aircraft	SLC3SA	67	05	05.....	Volume 2 - 655
T-1	T00100	41	05	04.....	Volume 2 - 351
T-38	T03800	42	05	04.....	Volume 2 - 357
T-6	JPAT00	40	05	04.....	Volume 2 - 345
Target Drones	10TRGT	16	04	05.....	Volume 1 - 99
U-2 Mods	11U200	44	05	05.....	Volume 2 - 373

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Line Item Title	Line Item Number	Line #	BA	BSA	Page
V0AP00 - Agility Prime	V0AP00	21	04	05.....	Volume 1 - 133
VC-25A Mod	C02500	47	05	05.....	Volume 2 - 385
War Consumables	000074	80	07	04.....	Volume 1 - 209

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Air Force • Budget Estimates FY 2023 • Procurement
Exhibit P-1M, Procurement Programs - Modification Summary
(Listing by Model)

Lookup Matrix by Model

Model:	MHU-196	
Modification P-40a Aggregated Items Title:	A0003 / MHU-196/204 SLEP - Munitions Handling Units (MHU)-196/204 Serv Life Extension Program (SLEP)	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
A0003	MHU-196/204 SLEP	Yes

Model:	204	
Modification P-40a Aggregated Items Title:	A0003 / MHU-196/204 SLEP - Munitions Handling Units (MHU)-196/204 Serv Life Extension Program (SLEP)	
Item Number	Item Title	Applies to Multiple Models
Uncategorized		
A0003	MHU-196/204 SLEP	Yes

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Air Force • Budget Estimates FY 2023 • Procurement
 Exhibit P-1M, Procurement Programs - Modification Summary
 (Funding for Modifications)

Funding (\$ M)

Modification P-40a Item Title	PYS	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027
Exhibit P-40a										
MHU-196/204 SLEP	48.005	11.930	15.267	1.721	-	1.721	24.013	29.462	37.518	38.331
Totals (Total Obligation Authority)										
Total Obligation Authority	48.005	11.930	15.267	1.721	0.000	1.721	24.013	29.462	37.518	38.331

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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
BES	- Budget Estimate Submission
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
EWASIP	- 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
IT	- Information Technology
JUON	- Joint Urgent Operational Need
MAIS	- Major Automated Information System Program
MDAP	- Major Defense Acquisition Program
METS	- Mobile Electronic Test Stations
MYP	- Multiyear Procurement
NAVWAR	- Navigation Warfare
NMC Rate	- Not Mission Capable Rate
OCO	- Overseas Contingency Operations
OT&E	- Operational Test and Evaluation
OWRM	- Other War Reserve Material
PAGEL	- Priced Aerospace Ground Equipment List
PB	- President's Budget
PBR	- Program Budget Review
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
R&M	- Reliability and Maintainability

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RAA	- Rapid Acquisition Authority
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
AFCEA	- 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
AFPSL	- AF Primary Standards Lab

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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	- Undefined 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 SFB, 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 SFB, 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

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 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 01: Combat Aircraft / BSA 1: Strategic Offensive	P-1 Line Item Number / Title: B02100 / B-21 Raider
---	--

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: 437

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	0.000	1,606.458	-	1,606.458	3,441.152	4,413.849	4,604.506	5,055.433	-	19,121.398
Less PY Advance Procurement (<i>\$ in Millions</i>)	0.000	0.000	0.000	108.027	-	108.027	288.165	397.851	413.373	447.000	-	1,654.416
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	0.000	1,498.431	-	1,498.431	3,152.987	4,015.998	4,191.133	4,608.433	-	17,466.982
Plus CY Advance Procurement (<i>\$ in Millions</i>)	0.000	0.000	108.027	288.165	-	288.165	397.851	413.373	447.000	414.900	-	2,069.316
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	108.027	1,786.596	-	1,786.596	3,550.838	4,429.371	4,638.133	5,023.333	-	19,536.298

(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 is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 01: Combat Aircraft / BSA 1: Strategic Offensive **P-1 Line Item Number / Title:** B02100 / B-21 Raider

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: 437

Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)					
P-5	B-21 Raider		A		- / 0.000	- / 0.000	- / 0.000	- / 1,606.458	- / -	- / 1,606.458
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 0.000	- / 0.000	- / 1,606.458	- / -	- / 1,606.458

*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.

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. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 1	P-1 Line Item Number / Title: B02100 / B-21 Raider	Item Number / Title [DODIC]: B-21 Raider
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	0.000	0.000	1,606.458	-	1,606.458
Less PY Advance Procurement <i>(\$ in Millions)</i>	0.000	0.000	0.000	108.027	-	108.027
Net Procurement (P-1) <i>(\$ in Millions)</i>	0.000	0.000	0.000	1,498.431	-	1,498.431
Plus CY Advance Procurement <i>(\$ in Millions)</i>	0.000	0.000	108.027	288.165	-	288.165
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	0.000	108.027	1,786.596	-	1,786.596

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

Initial Spares <i>(\$ in Millions)</i>	0.000	-	-	-	-	-
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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - B-21 Raider Cost																		
Recurring Cost																		
B21 Raider	-	-	0.000	-	-	0.000	-	-	0.000	-	-	1,498.431	-	-	-	-	-	1,498.431
Long Lead	-	-	-	-	-	-	-	-	-	-	-	108.027	-	-	-	-	-	108.027
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>1,606.458</i>	-	-	-	-	-	<i>1,606.458</i>
<i>Subtotal: Flyaway - B-21 Raider Cost</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>1,606.458</i>	-	-	-	-	-	<i>1,606.458</i>
Gross/Weapon System Cost	-	-	0.000	-	-	0.000	-	-	0.000	-	-	1,606.458	-	-	-	-	-	1,606.458

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Air Force							Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 01: Combat Aircraft / BSA 1: Strategic Offensive							P-1 Line Item Number / Title: B02100 / B-21 Raider					
Program Elements for Code B Items: N/A							Other Related Program Elements: N/A					

Line Item MDAP/MAIS Code: 437

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	108.027	288.165	-	288.165	397.851	413.373	447.000	414.900	-	2,069.316
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	108.027	288.165	-	288.165	397.851	413.373	447.000	414.900	-	2,069.316
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	108.027	288.165	-	288.165	397.851	413.373	447.000	414.900	-	2,069.316

Description:

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. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 01: Combat Aircraft / BSA 1: Strategic Offensive	P-1 Line Item Number / Title: B02100 / B-21 Raider
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Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: 437

Exhibits Schedule				Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost <i>(Each) / (\$ M)</i>					
P-40	Total Gross/Weapon System Cost			- / 0.000	- / 0.000	- / 108.027	- / 288.165	- / -	- / 288.165

*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:
 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. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	400	60	48	33	-	33	29	43	47	46	1,057	1,763
Gross/Weapon System Cost (<i>\$ in Millions</i>)	50,686.708	6,197.300	4,764.804	3,811.893	-	3,811.893	3,396.940	4,592.635	5,317.113	5,009.288	126,171.070	209,947.751
Less PY Advance Procurement (<i>\$ in Millions</i>)	4,912.993	570.500	547.200	491.136	-	491.136	513.825	520.655	526.621	367.411	20,990.591	29,440.932
Net Procurement (P-1) (<i>\$ in Millions</i>)	45,773.715	5,626.800	4,217.604	3,320.757	-	3,320.757	2,883.115	4,071.980	4,790.492	4,641.877	105,180.479	180,506.819
Plus CY Advance Procurement (<i>\$ in Millions</i>)	5,615.493	610.800	342.536	594.886	-	594.886	601.717	364.498	367.411	374.759	20,568.832	29,440.932
Total Obligation Authority (<i>\$ in Millions</i>)	51,389.208	6,237.600	4,560.140	3,915.643	-	3,915.643	3,484.832	4,436.478	5,157.903	5,016.636	125,749.311	209,947.751

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

Initial Spares (<i>\$ in Millions</i>)	2,981.385	304.289	442.667	151.747	-	151.747	394.262	450.045	160.321	124.557	3,278.915	8,288.188
Flyaway Unit Cost (<i>\$ in Millions</i>)	113.872	86.696	85.823	91.559	-	91.559	93.879	97.262	96.302	95.396	108.642	106.946
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	126.717	103.288	99.267	115.512	-	115.512	117.136	106.805	113.130	108.898	119.367	119.086

Description:

The F-35 Joint Strike Fighter (JSF) program will enhance and field a family of aircraft that meets the needs of DoD and allies with three air vehicle variants including: 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 delivery 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 Navy. The F-35s are the next generation of strike fighters and provide 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 can employ 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 sole source air vehicle and propulsion contracts. USAF regular procurement commenced in FY 2007, DON regular procurement commenced in FY 2008.

Notes:

(1) Initial Operational Capability (IOC) occurred on 2 August 2016 and Full Rate Production (FRP) will occur after completion and reporting of Initial Operational Test & Evaluation (IOT&E).

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force	Date: April 2022
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
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Line Item MDAP/MAIS Code: 198

Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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		400 / 50,686.708	60 / 6,197.300	48 / 4,764.804	33 / 3,811.893	- / -	33 / 3,811.893
P-40	Total Gross/Weapon System Cost				400 / 50,686.708	60 / 6,197.300	48 / 4,764.804	33 / 3,811.893	- / -	33 / 3,811.893

*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 2023 budget provides funding for 33 F-35A Aircraft and associated non-recurring and ancillary mission equipment to support delivery. The budget request also supports the lead-time procurement and support required for squadron standup and associated training and logistical requirements.

Non-recurring flyaway costs for FY 2023 include costs for tooling refurbishment as well as tooling required to support full production capacity. Non-recurring also includes funding to address diminishing manufacturing sources (DMS) which include costs to manage DMS issues, procurement of bridge or life-of-type buys, and if cost-benefit analysis supports non-recurring engineering to implement DMS redesigns within the performance envelope to the production line. Other non-recurring costs include chase support for government acceptance flights, systems engineering for production line efforts and production readiness reviews to address program risks and cost reduction initiatives.

Support costs in FY 2023 include costs that are fixed in nature and do not fluctuate directly with aircraft quantities in a particular year. For the F-35A variant, these costs include peculiar ground support equipment to support squadron and site stand-ups.

The program is implementing a new strategy to replace the Autonomic Logistics Information System (ALIS) with the F-35 Operational Data Integrated Network (ODIN), a modern F-35 logistics and maintenance system. Hardware being procured is compatible with both ALIS and ODIN software. ODIN software fielding to the squadrons is planned to commence in 2023.

Depot activation efforts continue in FY 2023 increasing repair capacity necessary for long-term sustainment of F-35 aircraft. FY 2023 request includes additional special test and support equipment for planning, activation, and depot capacity expansion. FY 2023 also includes funding for propulsion depot standup at numerous U.S. depot locations.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (Units in Each)	400	60	48	33	-	33
Gross/Weapon System Cost (\$ in Millions)	50,686.708	6,197.300	4,764.804	3,811.893	-	3,811.893
Less PY Advance Procurement (\$ in Millions)	4,912.993	570.500	547.200	491.136	-	491.136
Net Procurement (P-1) (\$ in Millions)	45,773.715	5,626.800	4,217.604	3,320.757	-	3,320.757
Plus CY Advance Procurement (\$ in Millions)	5,615.493	610.800	342.536	594.886	-	594.886
Total Obligation Authority (\$ in Millions)	51,389.208	6,237.600	4,560.140	3,915.643	-	3,915.643

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

Initial Spares (\$ in Millions)	2,981.385	304.289	442.667	151.747	-	151.747
Gross/Weapon System Unit Cost (\$ in Millions)	126.717	103.288	99.267	115.512	-	115.512

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

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 ⁽¹⁾	66.940	400	26,775.817	52.276	60	3,136.585	53.361	48	2,561.343	53.857	33	1,777.279	-	-	-	53.857	33	1,777.279
CFE Electronics ⁽²⁾	18.825	400	7,530.095	12.306	60	738.373	12.220	48	586.547	13.623	33	449.553	-	-	-	13.623	33	449.553
Engines/Eng ACC ⁽¹⁾	13.533	400	5,413.026	12.488	60	749.290	12.776	48	613.253	12.671	33	418.130	-	-	-	12.671	33	418.130
ECO ⁽³⁾	2.376	400	950.540	1.541	60	92.485	1.567	48	75.223	1.603	33	52.896	-	-	-	1.603	33	52.896
<i>Subtotal: Recurring Cost</i>	-	-	40,669.478	-	-	4,716.733	-	-	3,836.366	-	-	2,697.858	-	-	-	-	-	2,697.858
Non Recurring Cost																		
Non-Recurring Cost ⁽⁴⁾	-	-	3,109.968	-	-	214.427	-	-	108.545	-	-	171.958	-	-	-	-	-	171.958
Ancillary Equip ⁽⁵⁾	-	-	1,769.528	-	-	270.618	-	-	174.603	-	-	151.643	-	-	-	-	-	151.643
<i>Subtotal: Non Recurring Cost</i>	-	-	4,879.496	-	-	485.045	-	-	283.148	-	-	323.601	-	-	-	-	-	323.601
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	45,548.974	-	-	5,201.778	-	-	4,119.514	-	-	3,021.459	-	-	-	-	-	3,021.459
Support - Support End Item Cost																		
Airframe PGSE ⁽⁶⁾	-	-	740.261	-	-	198.585	-	-	104.611	-	-	50.741	-	-	-	-	-	50.741
Engine PGSE ⁽⁷⁾	-	-	299.306	-	-	27.322	-	-	4.521	-	-	0.416	-	-	-	-	-	0.416
Avionics PGSE ⁽⁸⁾	-	-	562.301	-	-	25.880	-	-	12.745	-	-	3.057	-	-	-	-	-	3.057
Peculiar Training Equipment ⁽⁹⁾	-	-	513.829	-	-	23.447	-	-	18.980	-	-	31.834	-	-	-	-	-	31.834

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Exhibit P-5, Cost Analysis: PB 2023 Air Force													Date: April 2022					
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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
Full Mission Simulators ⁽¹⁰⁾	-	-	464.893	-	-	114.178	-	-	56.257	-	-	19.432	-	-	-	-	-	19.432
ODIN / PUBS / TECH DATA (previously ALIS/ODIN) ⁽¹¹⁾	-	-	158.149	-	-	39.942	-	-	0.000	-	-	11.678	-	-	-	-	-	11.678
Other ILS Production ⁽¹²⁾	-	-	1,038.400	-	-	56.381	-	-	52.037	-	-	61.412	-	-	-	-	-	61.412
Production Eng Support ⁽¹³⁾	-	-	838.898	-	-	112.192	-	-	32.378	-	-	40.693	-	-	-	-	-	40.693
Fixed JPO Support ⁽¹⁴⁾	-	-	4.143	-	-	0.000	-	-	57.913	-	-	62.953	-	-	-	-	-	62.953
Depot Standup ⁽¹⁵⁾	-	-	517.554	-	-	397.595	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Depot Standup Software ⁽¹⁶⁾	-	-	-	-	-	-	-	-	40.193	-	-	44.100	-	-	-	-	-	44.100
Depot Standup Air Vehicle ⁽¹⁷⁾	-	-	-	-	-	-	-	-	163.746	-	-	204.696	-	-	-	-	-	204.696
Depot Standup Propulsion ⁽¹⁸⁾	-	-	-	-	-	-	-	-	101.909	-	-	259.422	-	-	-	-	-	259.422
<i>Subtotal: Support - Support End Item Cost</i>	-	-	5,137.734	-	-	995.522	-	-	645.290	-	-	790.434	-	-	-	-	-	790.434
Gross/Weapon System Cost	126.717	400	50,686.708	103.288	60	6,197.300	99.267	48	4,764.804	115.512	33	3,811.893	-	-	-	115.512	33	3,811.893

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

Footnotes:

(1) Airframe Unit Recurring Flyaway (URF) price is directly affected by a number of cost pressures including United States Air Force (USAF) quantity profile reductions in Lot 17 (FY23). More broadly, URF price is expected to increase due to procuring lower overall quantities, removal of Turkish suppliers, COVID recovery and supply chain and inflationary pressures.

(2) CFE Electronics Unit Recurring Flyaway (URF) price is directly affected by a number of cost pressures including United States Air Force (USAF) quantity profile reductions in Lot 17 (FY23). More broadly, URF price is expected to increase due to procuring lower overall quantities, removal of Turkish suppliers, COVID recovery and supply chain and inflationary pressures.

(3) ECO Unit Recurring Flyaway (URF) price is directly affected by a number of cost pressures including United States Air Force (USAF) quantity profile reductions in Lot 17 (FY23). More broadly, URF price is expected to increase due to procuring lower overall quantities, removal of Turkish suppliers, COVID recovery and supply chain and inflationary pressures.

(4) Non-recurring Costs include such items as USAF share of Production Non-Recurring Tooling necessary to support and maintain planned production ramp. In addition, FY2023 requests includes funding for Diminishing Manufacturing Sources ("Life-of-type" part buys, management, and non-recurring redesign engineering), concurrency engineering, acceptance chase support, technical assistance and Cost Reduction Initiatives (CRI). This cost element includes variable (aircraft qty driven) and fixed costs. Increase in FY23 aligned to support deferred FY22 requirements carryover.

(5) Ancillary Equip: FY 2023 equipment to procure includes: Launcher Hardware Kit, bomb rack, Missile Launcher, Adapter Kit, Pylon Kit, Rail Launcher, Gun Pod, Magazine, Umbilical Cable, PFE, HMD, PMD, countermeasures.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
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:
<p>(6) Airframe PGSE: Costs support Site Support Equipment, Regional Center Support Equipment, and Service Unique Requirements. FY23: Additional aircraft (Tyndall AFB 1st Sqdn, Dannelly 187 FW, JRB Ft Worth 301 FW, Jacksonville 125 FW). Aircraft profile shifts limit the initial PGSE procurement required for squadrons in FY23.</p> <p>(7) Engine PGSE: Costs support Site Support Equipment, Propulsion Mini Modules, and Training Center Support Equipment Requirements. FY23: Additional aircraft (Tyndall AFB 1st Sqdn, Dannelly 187 FW, JRB Ft Worth 301 FW, Jacksonville 125 FW). Aircraft profile shifts limit the initial PGSE procurement required for squadrons in FY23</p> <p>(8) Avionics PGSE: Costs support Site Support Equipment, Depot Non-Recurring Engineering, and Service Unique requirements. FY23: Additional aircraft (Tyndall AFB 1st Sqdn, Dannelly 187 FW, JRB Ft Worth 301 FW, Jacksonville 125 FW). Aircraft profile shifts limit the initial PGSE procurement required for squadrons in FY23</p> <p>(9) Peculiar Training Equipment: Costs support/procure Maintenance Training Devices and other associated peculiar training equipment at training and operational sites. FY23: Unique Training Equipment (NAS JRB Ft Worth, Jacksonville ANG, Fielded Devices WIN7 Transition)</p> <p>(10) Full Mission Simulators (FMS): Costs support/procure FMSs at training and operational sites. FY23: Full Mission Sims (Tyndall AFB)</p> <p>(11) Cost in support of ODIN/ALIS hardware and standup support to include SOU Modules, Mission Planning, Off board Mission Support Modules, Maintenance, Administration, and Tech-data is. FY 2023: ALIS/ODIN First Aircraft Arrival (Jacksonville 125 FW) year to year changes in Operational Data Integration Network (ODIN) are a result of investments required to support site and squadron stand-ups. Tech-data is provisioned via ODIN/ALIS. Cost in support of ALIS hardware and standup support to include SOU Modules, Mission Planning, OMS Modules, Maintenance, Administration, and other cost. In accordance with the Consolidated Appropriations Act for 2021 (P.L. 116-260) Joint Explanatory Statement, Division C, F-35 Part Reimbursement, \$34.3M in total value will be independently invested in two parts by LM between FY2022 - FY2026 to improve Non Ready-for-Issue (Non-RFI) spare parts as a result of the Electronic Equipment Logbooks (EELs) settlement. These investments include \$10M in value for logistics data via the provisioning and cataloging effort and \$24.3M in value via future private investments to further improve the F-35 enterprise. These investments did not result in a credit to the Government therefore a credit will not be reflected in this submission.</p> <p>(12) Other ILS: Shared Tech Data for Provisioning, Maintenance Planning; Unique Site Activation Planning, FY 2023 ALIS/ODIN Admins (Tyndall AFB, Truax ANG, Dannelly ANG)</p> <p>(13) Production Engineering Support: Shared Sustainment Improvement Plan, Sustaining Engineering & Program Management Administrative Labor.</p> <p>(14) Fixed JPO Support: Fixed JPO support costs are shared across the US and Partner participants and cost shares are balanced at the aggregate across all Services and appropriations. This cost element includes funds for the JPO program operations and administrative requirements at the enterprise level. Efforts in this cost element include working capital technical SME labor/civilian pay, program office Contractor Support Services, Arlington, VA program unique off-base lease costs, travel, supplies, program office IT and software applications, cybersecurity, studies, and program office oversight of property management. These costs are not programmed, budgeted, or funded as part of base operating support and are not associated with Headquarters level support.</p> <p>(15) Starting in FY 2022, Depot Standup is broken down in details in Depot Standup Software, Depot Standup Air Vehicle, and Depot Standup Propulsion</p> <p>(16) Depot Standup Software: Shared SW depot activation requirements</p> <p>(17) Depot Standup Air Vehicle: Shared planning and activation for component-level capability and airframe depots</p> <p>(18) Depot Standup Propulsion: Shared planning, activation, and capacity expansion for Oklahoma City Air Logistics Center and Fleet Readiness Center Southeast</p>		

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Exhibit P-5a, Procurement History and Planning: PB 2023 Air Force **Date:** April 2022

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 ^(†)		2019	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Mar 2019	Apr 2021	56	52.537	Y		Jan 2018
Airframe/CFE ^(†)		2020	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Mar 2020	Apr 2022	62	51.819	Y		Jan 2018
Airframe/CFE ^(†)		2021	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Jun 2022	Apr 2023	60	52.276	Y		Jan 2020
Airframe/CFE ^(†)		2022	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Jun 2022	May 2024	48	53.361	Y		Jan 2020
Airframe/CFE ^(†)		2023	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Dec 2022	Mar 2025	33	53.857	Y		Jan 2020
Engines/Eng ACC ^(†)		2019	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	May 2019	Oct 2020	56	12.371	Y		Mar 2018
Engines/Eng ACC ^(†)		2020	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	Nov 2019	Jul 2021	62	12.371	Y		Mar 2019
Engines/Eng ACC ^(†)		2021	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	May 2022	Aug 2022	60	12.488	Y		Mar 2020
Engines/Eng ACC ^(†)		2022	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	May 2022	Sep 2023	48	12.776	Y		Mar 2020
Engines/Eng ACC ^(†)		2023	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	Jan 2023	Aug 2024	33	12.671	Y		Mar 2020
Advance Procurement												
Airframe/CFE: Long Lead Material		2023	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Dec 2022	Mar 2025	33	8.846	Y		Jan 2020
Airframe/CFE: For FY24 Economic Order Quantity (Lot 18)		2023	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Dec 2022	Mar 2025	33	4.913	Y		Jan 2020
Airframe/CFE: For FY25 Economic Order Quantity (Lot 19)		2023	Lockheed Martin / Fort Worth, TX	SS / FPIF	NAVAIR	Dec 2022	Mar 2025	33	2.456	Y		Jan 2020
Engines/Eng ACC: Mount-Signal Conditioning Unit		2023	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	Jan 2023	Aug 2024	33	0.002	Y		Mar 2020
Engines/Eng ACC: IDMS Ring, Forward		2023	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	Jan 2023	Aug 2024	33	0.004	Y		Mar 2020
Engines/Eng ACC: IDMS Ring, Rear		2023	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	Jan 2023	Aug 2024	33	0.004	Y		Mar 2020
Engines/Eng ACC: Advance Acquisition Contracts		2023	Pratt & Whitney / East Hartford, CT	SS / FPIF	NAVAIR	Jan 2023	Aug 2024	33	1.802	Y		Mar 2020

^(†) indicates the presence of a P-21

Remarks:
F-35A production capacity is influenced by F-35A quantities. Maximum combined production including partners for F-35A is 110 per year. Date of 1st aircraft delivery have been adjusted for airframe/CFE to account for the production re-baseline, resulting from COVID recovery.

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

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 <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
Airframe/CFE ⁽¹⁾																															
Prior Years Deliveries: 282																															
	1	2019	AF	56	0	56																						56			
	1	2020	AF	62	0	62																						62			
	1	2021	AF	60	0	60																						60			
	1	2022	AF	48	0	48																						48			
	1	2023	AF	33	0	33																						33			
Engines/Eng ACC																															
Prior Years Deliveries: 282																															
	2	2019	AF	56	0	56																						56			
	2	2020	AF	62	0	62																						62			
	2	2021	AF	60	0	60																						60			
	2	2022	AF	48	0	48																						48			
	2	2023	AF	33	0	33																						33			

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

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 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			
Airframe/CFE ⁽¹⁾																																	
Prior Years Deliveries: 282																																	
1	2019	AF		56	0	56	-	-	-	-	-	-	-	3	1	3	-	6	8	6	7	6	4	6	6					0			
1	2020	AF		62	0	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	7	3	6	8	32	
1	2021	AF		60	0	60																									60		
1	2022	AF		48	0	48																									48		
1	2023	AF		33	0	33																									33		
Engines/Eng ACC																																	
Prior Years Deliveries: 282																																	
2	2019	AF		56	0	56	3	3	6	7	5	5	7	6	8	2	2	2													0		
2	2020	AF		62	0	62	-	-	-	-	-	-	-	-	-	-	2	7	4	5	5	6	4	6	4	8	6	5			0		
2	2021	AF		60	0	60																									50		
2	2022	AF		48	0	48																									48		
2	2023	AF		33	0	33																									33		

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

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 <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O 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
Airframe/CFE ⁽¹⁾																															
Prior Years Deliveries: 282																															
	1	2019	AF	56	56	0																							0		
	1	2020	AF	62	30	32	4	3	5	8	3	9																	0		
	1	2021	AF	60	0	60	-	-	-	-	-	-	1	5	8	3	8	7	-	-	-	5	9	14					0		
	1	2022	AF	48	0	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	4	5	33	
	1	2023	AF	33	0	33			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33		
Engines/Eng ACC																															
Prior Years Deliveries: 282																															
	2	2019	AF	56	56	0																							0		
	2	2020	AF	62	62	0																							0		
	2	2021	AF	60	10	50	5	5	5	5	5	5	5	5	5														0		
	2	2022	AF	48	0	48	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	4	4	4	4	0		
	2	2023	AF	33	0	33			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	27		
							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 2023 Air Force **Date:** April 2022

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 2025												Fiscal Year 2026												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026												
							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 ⁽¹⁾																															
Prior Years Deliveries: 282																															
	1	2019	AF	56	56	0																							0		
	1	2020	AF	62	62	0																							0		
	1	2021	AF	60	60	0																							0		
	1	2022	AF	48	15	33	7	5	4	7	6	4																	0		
	1	2023	AF	33	0	33	-	-	-	-	-	1	2	6	6	2	5	5	6										0		
Engines/Eng ACC																															
Prior Years Deliveries: 282																															
	2	2019	AF	56	56	0																							0		
	2	2020	AF	62	62	0																							0		
	2	2021	AF	60	60	0																							0		
	2	2022	AF	48	48	0																							0		
	2	2023	AF	33	6	27	3	3	3	4	4	4	3	3															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 2023 Air Force	Date: April 2022
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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 / Year)			Procurement Leadtime (Months)								
		MSR For 2023	1-8-5 For 2023	MAX For 2023	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	60	0	0	0	0	0	0	3	27	30
2	Pratt & Whitney - East Hartford, CT	24	48	60	0	0	0	0	0	0	4	19	23

Remarks:
Lots 13-15: Date of 1st aircraft delivery have been adjusted for airframe/CFE to account for the production re-baseline, resulting from COVID recovery.

"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 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
<i>Gross/Weapon System Cost (\$ in Millions)</i>	5,615.493	610.800	342.536	594.886	-	594.886	601.717	364.498	367.411	374.759	20,568.832	29,440.932
<i>Net Procurement (P-1) (\$ in Millions)</i>	5,615.493	610.800	342.536	594.886	-	594.886	601.717	364.498	367.411	374.759	20,568.832	29,440.932
Total Obligation Authority (\$ in Millions)	5,615.493	610.800	342.536	594.886	-	594.886	601.717	364.498	367.411	374.759	20,568.832	29,440.932

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 (DON) and the Department of the Air Force (DAF) and currently resides with the Navy. 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 2023 aircraft buy, as well as associated termination liability. Additionally advanced procurement funding will provide funding for economic order quantity procurement in support of FY 2023 to FY 2024 F-35 aircraft buys.

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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
Program Elements for Code B Items: 0207142F		Other Related Program Elements: 0604800F

Line Item MDAP/MAIS Code: 198									
Exhibits Schedule				Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)					
P-10	F-35			400 / 5,615.493	60 / 610.800	48 / 342.536	33 / 594.886	- / -	33 / 594.886
P-40	Total Gross/Weapon System Cost			400 / 5,615.493	60 / 610.800	48 / 342.536	33 / 594.886	- / -	33 / 594.886

*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 2023 budget requests \$594.886M of Advanced Procurement for FY 2024 long lead materials. No saving is projected with the Advance Procurement (AP) funding requested in FY 2023, but it will support Airframe and Engine long-lead parts and materials necessary to protect the Lot 18 delivery schedule.

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Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Air Force					Date: April 2022		
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 (2023) Award Date: January 2020		First System (2023) Completion Date: January 2023			Interval Between Systems: 0 Months		
F-35		Production Leadtime <i>(Months)</i>	Prior Years <i>(Each)</i>	FY 2021 <i>(Each)</i>	FY 2022 <i>(Each)</i>	FY 2023 <i>(Each)</i>	
Quantity		9	400	60	48	33	
Cost Elements		When Required <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2021 <i>(\$ M)</i>	FY 2022 <i>(\$ M)</i>	FY 2023 <i>(\$ M)</i>	
CFE							
Airframe/CFE: Long Lead Material ^(†)		18	4,389.592	321.958	284.305	291.913	
Airframe/CFE: For FY22 Economic Order Quantity (Lot 16)		0	63.595	119.466	-	-	
Airframe/CFE: For FY23 Economic Order Quantity (Lot 17)		0	59.644	103.433	-	-	
Airframe/CFE: For FY24 Economic Order Quantity (Lot 18) ^(†)		0	-	-	-	162.123	
Airframe/CFE: For FY25 Economic Order Quantity (Lot 19) ^(†)		0	-	-	-	81.061	
Airframe/CFE: For FY26 Economic Order Quantity (Lot 20)		0	-	-	-	0.000	
Total: CFE			4,512.831	544.857	284.305	535.097	
GFE							
Engines/Eng ACC: Long Lead Material		24	1,102.662	65.943	0.000	0.000	
Engines/Eng ACC: Mount-Signal Conditioning Unit ^(†)		24	-	-	0.131	0.082	
Engines/Eng ACC: IDMS Ring, Forward ^(†)		24	-	-	0.210	0.124	
Engines/Eng ACC: IDMS Ring, Rear ^(†)		24	-	-	0.194	0.124	
Engines/Eng ACC: Advance Acquisition Contracts ^(†)		24	-	-	57.696	59.459	
Total: GFE			1,102.662	65.943	58.231	59.789	
Total Advance Procurement/Obligation Authority			5,615.493	610.800	342.536	594.886	

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Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3	P-1 Line Item Number / Title: ATA000 / F-35	P-5 Number / Title: F-35
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Cost Elements	QPA <i>(Each)</i>	FY 2023					Total Cost Request <i>(\$ M)</i>
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ M)</i>	Contract Forecast Date	2023 Qty <i>(Each)</i>	For FY	
CFE							
Airframe/CFE: Long Lead Material ^(†)	-	18	8.846	Dec 2022	33		291.913
Airframe/CFE: For FY22 Economic Order Quantity (Lot 16)	-						-
Airframe/CFE: For FY23 Economic Order Quantity (Lot 17)	-						-
Airframe/CFE: For FY24 Economic Order Quantity (Lot 18) ^(†)	-	0	4.913	Dec 2022	33		162.123
Airframe/CFE: For FY25 Economic Order Quantity (Lot 19) ^(†)	-	0	2.456	Dec 2022	33		81.061
Airframe/CFE: For FY26 Economic Order Quantity (Lot 20)	-						0.000
<i>Total: CFE</i>							535.097
GFE							
Engines/Eng ACC: Long Lead Material	-						0.000
Engines/Eng ACC: Mount-Signal Conditioning Unit ^(†)	-	24	0.002	Jan 2023	33		0.082
Engines/Eng ACC: IDMS Ring, Forward ^(†)	-	24	0.004	Jan 2023	33		0.124
Engines/Eng ACC: IDMS Ring, Rear ^(†)	-	24	0.004	Jan 2023	33		0.124
Engines/Eng ACC: Advance Acquisition Contracts ^(†)	-	24	1.802	Jan 2023	33		59.459
<i>Total: GFE</i>							59.789
Total Advance Procurement/Obligation Authority							594.886

Description:
F-35 Advanced Procurement.

CFE-Airframe: AP funding will be used towards the following Air Vehicle suppliers/systems based on the lead time associated with the material(s): TR-3 Components (Integrated Core Processor, Aircraft Memory System, Panoramic Cockpit Display); Bulkhead forgings; Collins Landing Gear; BAE Electronic Warfare components; IAI Outer Wing Box; BAE Aft Fuselage components; Northrop Grumman Center Fuselage, Communication, Navigation & Identification (CNI), and Radar components; ATK Wing Skins; Curtiss-Wright Controls LEFDS; Ball Aerospace CNI Integrated Body Apertures; Heroux-Devtek FODUS; Fokker Flaperons; Arkwin Industries Actuators; and Leonardo Wing.

GFE-Engines Long Lead: FY 2023 is broken down into more details.

Advance Acquisition Contracts (AAC) will be awarded for long-lead items on a termination liability basis to protect delivery schedule. Prior to award of each Advance Acquisition Contract, P&W will be required to provide a termination liability funding schedule, including identification of all vendor and in-house activities, or other such data required to support the amount of termination liability funding requested (Lot 18, FY 2024). The amount of termination liability funds requested will cover long-lead obligations (approximately one year) until such time as additional funding is appropriated and made available to the F-35 Lightning II Program.

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Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3	P-1 Line Item Number / Title: ATA000 / F-35	P-5 Number / Title: F-35
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(†) 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 2023 Air Force **Date:** April 2022

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: F015EX / F-15EX
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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: 0207134F
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Line Item MDAP/MAIS Code: 439

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	12	12	24	-	24	24	-	-	-	-	72
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	1,233.647	1,237.940	2,570.267	-	2,570.267	2,961.957	0.000	0.000	0.000	0.000	8,003.811
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	0.000	133.500	147.919	-	147.919	264.000	0.000	0.000	0.000	0.000	545.419
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	1,233.647	1,104.440	2,422.348	-	2,422.348	2,697.957	0.000	0.000	0.000	0.000	7,458.392
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	133.500	147.919	264.000	-	264.000	0.000	0.000	0.000	0.000	0.000	545.419
Total Obligation Authority (<i>\$ in Millions</i>)	-	1,367.147	1,252.359	2,686.348	-	2,686.348	2,697.957	0.000	0.000	0.000	0.000	8,003.811

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

Initial Spares (<i>\$ in Millions</i>)	-	80.000	89.160	148.200	-	148.200	164.200	-	-	-	-	481.560
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	87.700	85.493	90.240	-	90.240	92.448	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	102.804	103.162	107.094	-	107.094	123.415	-	-	-	-	111.164

Description:

The expected procurement quantity for F-15EX is 80 aircraft (a combination of 2 in RDTE (PE27134F); 6 in F015E0 (Line #3); and 72 in F015EX (Line #4)). F-15EX is currently a Middle Tier of Acquisition program. Once the program transitions to a Major Defense Acquisition Program and the Acquisition Program Baseline is approved, the official program quantity for F-15EX will be established.

The F-15EX is based on the 2-seat F-15QA (Qatar) configuration upgraded with USAF-only capabilities, including the Eagle Passive Active Warning and Survivability System (EPAWSS) and the F-15 Operational Flight Program (OFP) software. With two seats, it is multirole-capable and operable by one or two aircrew. F-15EX logistics, maintenance, and training will heavily leverage the existing F-15 infrastructure. Initially, F-15EX's will replace F-15C/D aircraft, many of which are beyond their service life and have serious structures risks, wire chafing issues, and obsolete parts. The average F-15C/D is 38 years old and approaching the end of its safe service life; the oldest F-15C was delivered in 1979. Readiness goals are unachievable due to continuous structural inspections, time-consuming repairs, and on-going modernization efforts.

This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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:** F015EX / F-15EX

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

Line Item MDAP/MAIS Code: 439

Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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-15EX	P-5a, P-21	A		- / -	12 / 1,233.647	12 / 1,237.940	24 / 2,570.267	- / -	24 / 2,570.267
P-40	Total Gross/Weapon System Cost				- / -	12 / 1,233.647	12 / 1,237.940	24 / 2,570.267	- / -	24 / 2,570.267

*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 FY 2023 BUDGET REQUEST: The FY 2023 budget provides funding for 24 F-15EX aircraft and associated support equipment, training system, depot activation, initial spares, and production non-recurring engineering and other related items required to manufacture the aircraft, provide operational conversion (from F-15C/D to F-15EX) support, meet logistics and sustainment requirements, and provide program support to manage and execute F-15EX efforts. Once an Acquisition Program Baseline is approved, the Air Force will work to properly align funding for initial spares, depot activation, etc.

Funding may be used to resolve Diminishing Manufacturing Sources and Material Shortages (DMSMS) and/or obsolescence issues. DMSMS activities may include, but are not limited to, bridge buys, life of type buys, buys to protect production schedule, and minor engineering efforts.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3	P-1 Line Item Number / Title: F015EX / F-15EX	Item Number / Title [DODIC]: F-15EX
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (Units in Each)	-	12	12	24	-	24
Gross/Weapon System Cost (\$ in Millions)	-	1,233.647	1,237.940	2,570.267	-	2,570.267
Less PY Advance Procurement (\$ in Millions)	-	0.000	133.500	147.919	-	147.919
Net Procurement (P-1) (\$ in Millions)	-	1,233.647	1,104.440	2,422.348	-	2,422.348
Plus CY Advance Procurement (\$ in Millions)	-	133.500	147.919	264.000	-	264.000
Total Obligation Authority (\$ in Millions)	-	1,367.147	1,252.359	2,686.348	-	2,686.348

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

Initial Spares (\$ in Millions)	-	80.000	89.160	148.200	-	148.200
Gross/Weapon System Unit Cost (\$ in Millions)	-	102.804	103.162	107.094	-	107.094

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

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - F-15EX Cost																		
Recurring Cost																		
Airframe ^(†)	-	-	73.600	12	883.200	68.877	12	826.524	64.656	24	1,551.744	-	-	-	64.656	24	1,551.744	
Engines (2) ^(†)	-	-	11.200	12	134.400	11.312	12	135.744	11.004	24	264.096	-	-	-	11.004	24	264.096	
AME	-	-	1.100	12	13.200	1.326	12	15.912	0.496	24	11.904	-	-	-	0.496	24	11.904	
ECO	-	-	1.800	12	21.600	1.530	12	18.360	3.471	24	83.304	-	-	-	3.471	24	83.304	
GFE	-	-	-	-	-	0.714	12	8.568	5.063	24	121.512	-	-	-	5.063	24	121.512	
Pilot Gear	-	-	-	-	-	0.510	12	6.120	0.278	24	6.672	-	-	-	0.278	24	6.672	
SEPM	-	-	-	-	-	1.224	12	14.688	5.272	24	126.528	-	-	-	5.272	24	126.528	
Subtotal: Recurring Cost	-	-	-	-	1,052.400	-	-	1,025.916	-	-	2,165.760	-	-	-	-	-	2,165.760	
Non Recurring Cost																		
Non-Recurring Cost	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - F-15EX Cost	-	-	-	-	1,052.400	-	-	1,025.916	-	-	2,165.760	-	-	-	-	-	2,165.760	
Support - F-15EX Cost																		
Other Support Costs	-	-	-	-	65.247	-	-	65.124	-	-	156.780	-	-	-	-	-	156.780	
Training	-	-	-	-	12.000	-	-	18.000	-	-	23.400	-	-	-	-	-	23.400	
Support Equipment	-	-	-	-	20.000	-	-	20.984	-	-	27.827	-	-	-	-	-	27.827	
Initial Spares	-	-	-	-	80.000	-	-	89.016	-	-	148.200	-	-	-	-	-	148.200	
Depot Activation	-	-	-	-	4.000	-	-	18.900	-	-	48.300	-	-	-	-	-	48.300	

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Exhibit P-5, Cost Analysis: PB 2023 Air Force												Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3						P-1 Line Item Number / Title: F015EX / F-15EX						Item Number / Title [DODIC]: F-15EX					
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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - F-15EX Cost</i>	-	-	-	-	-	181.247	-	-	212.024	-	-	404.507	-	-	-	-	-	404.507
Gross/Weapon System Cost	-	-	-	102.804	12	1,233.647	103.162	12	1,237.940	107.094	24	2,570.267	-	-	-	107.094	24	2,570.267

Remarks:

Engine procurement quantities represent one set per aircraft.

Once an Acquisition Program Baseline is approved as part of the MDAP transition, the Air Force will work to properly align funding for depot stand-up, initial spares, etc.

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

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Exhibit P-5a, Procurement History and Planning: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3	P-1 Line Item Number / Title: F015EX / F-15EX	Item Number / Title [DODIC]: F-15EX
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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 ^(†)		2021	Boeing / St. Louis, MO	SS / FFP	AFLCMC/WA	Nov 2021	May 2024	12	73.600	Y		Oct 2020
Airframe ^(†)		2022	Boeing / St. Louis, MO	SS / FFP	AFLCMC/WA	Jun 2022	Oct 2024	12	68.877	Y		Mar 2021
Airframe ^(†)		2023	Boeing / St. Louis, MO	SS / FFP	AFLCMC/WA	Jun 2023	Oct 2025	24	64.656	Y		Jun 2022
Engines (2) ^(†)		2021	General Electric / Cincinnati, OH	C / FFP	AFLCMC/WA	Oct 2021	Oct 2023	12	11.200	Y		Jan 2021
Engines (2) ^(†)		2022	General Electric / Cincinnati, OH	C / FFP	AFLCMC/WA	Jun 2022	Oct 2024	12	11.312	Y		Jan 2021
Engines (2) ^(†)		2023	General Electric / Cincinnati, OH	C / FFP	AFLCMC/WA	Jun 2023	Oct 2025	24	11.004	Y		Jan 2021

Advance Procurement

Airframe: AFT Fuselage		2023	Boeing / St. Louis, MO	SS / FFP	AFLCMC/WA	Mar 2023	Oct 2025	24	1.555	Y		Jun 2022
Airframe: Avionics		2023	Boeing / St. Louis, MO	SS / FFP	AFLCMC/WA	Mar 2023	Oct 2025	24	0.573	Y		Jun 2022
Airframe: Canopy		2023	Boeing / St. Louis, MO	SS / FFP	AFLCMC/WA	Mar 2023	Oct 2025	24	0.010	Y		Jun 2022
Airframe: Center Fuselage		2023	Boeing / St. Louis, MO	SS / FFP	AFLCMC/WA	Mar 2023	Oct 2025	24	1.015	Y		Jun 2022
Airframe: Forward Fuselage		2023	Boeing / St. Louis, MO	SS / FFP	AFLCMC/WA	Mar 2023	Oct 2025	24	0.034	Y		Jun 2022
Airframe: Structures		2023	Boeing / St. Louis, MO	SS / FFP	AFLCMC/WA	Mar 2023	Oct 2025	24	0.743	Y		Jun 2022
Airframe: Subsystems		2023	Boeing / St. Louis, MO	SS / FFP	AFLCMC/WA	Mar 2023	Oct 2025	24	6.917	Y		Jun 2022
Airframe: Wings		2023	Boeing / St. Louis, MO	SS / FFP	AFLCMC/WA	Mar 2023	Oct 2025	24	0.152	Y		Jun 2022

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3 **P-1 Line Item Number / Title:** F015EX / F-15EX **Item Number / Title [DODIC]:** F-15EX

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																																			
1	2021	AF ⁽¹⁾		12	0	12		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12						
1	2022	AF		12	0	12									A	-	-	-	-	-	-	-	-	-	-	-	-	-	12						
1	2023	AF		24	0	24																					A	-	24						
Engines (2)																																			
2	2021	AF		12	0	12	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12							
2	2022	AF		12	0	12									A	-	-	-	-	-	-	-	-	-	-	-	-	-	12						
2	2023	AF		24	0	24																					A	-	24						
							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	B	A	A	U	U	A	S					
							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 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3	P-1 Line Item Number / Title: F015EX / F-15EX	Item Number / Title [DODIC]: F-15EX
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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	2021	AF ⁽¹⁾		12	0	12	-	-	-	-	-	-	-	-	3	1	2	2	2	1	1								0		
1	2022	AF		12	0	12	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	0		
1	2023	AF		24	0	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24			
Engines (2)																															
2	2021	AF		12	0	12	1	1	1	1	1	1	1	1	1	1	1	1										0			
2	2022	AF		12	0	12	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	0			
2	2023	AF		24	0	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24			
							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 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3	P-1 Line Item Number / Title: F015EX / F-15EX	Item Number / Title [DODIC]: F-15EX
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026												Fiscal Year 2027												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026												Calendar Year 2027												
							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		2021	AF ⁽¹⁾	12	12	0																							0		
1		2022	AF	12	12	0																							0		
1		2023	AF	24	0	24	2	2	2	2	2	2	2	2	2	2	2												0		
Engines (2)																															
2		2021	AF	12	12	0																							0		
2		2022	AF	12	12	0																							0		
2		2023	AF	24	0	24	2	2	2	2	2	2	2	2	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 2023 Air Force	Date: April 2022
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3	P-1 Line Item Number / Title: F015EX / F-15EX	Item Number / Title [DODIC]: F-15EX
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	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 - St. Louis, MO	12	24	24	0	0	0	0	20	9	28	37
2	General Electric - Cincinnati, OH	12	24	24	0	0	0	0	20	9	28	37

Remarks:

Engine procurement quantities represent one set per aircraft.

"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 2020 loaded in the month of first delivery.

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Air Force										Date: April 2022		
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: F015EX / F-15EX					
Program Elements for Code B Items: N/A							Other Related Program Elements: 0207134F					
Line Item MDAP/MAIS Code: 439												

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	133.500	147.919	264.000	-	264.000	0.000	0.000	0.000	0.000	0.000	545.419
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	133.500	147.919	264.000	-	264.000	0.000	0.000	0.000	0.000	0.000	545.419
Total Obligation Authority (<i>\$ in Millions</i>)	-	133.500	147.919	264.000	-	264.000	0.000	0.000	0.000	0.000	0.000	545.419

Description:

The F-15EX is based on the 2-seat F-15QA (Qatar) configuration upgraded with USAF-only capabilities, including the Eagle Passive Active Warning and Survivability System (EPAWSS) and the F-15 Operational Flight Program (OFP) software. With two seats, it is multirole-capable and operable by one or two aircrew. F-15EX logistics, maintenance, and training will heavily leverage the existing F-15 infrastructure. F-15EX's will replace F-15C/D aircraft that are beyond their service life and have serious structures risks, wire chafing issues, and obsolete parts. The average F-15C/D is 38 years old and approaching the end of its safe service life; the oldest F-15C was delivered in 1979. Readiness goals are unachievable due to continuous structural inspections, time-consuming repairs, and on-going modernization efforts. Advanced Procurement funding will support airframe long-lead parts and materials necessary to protect the delivery schedule of the subsequent aircraft lot buy.

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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: F015EX / F-15EX
Program Elements for Code B Items: N/A		Other Related Program Elements: 0207134F

Line Item MDAP/MAIS Code: 439

Exhibits Schedule				Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)					
P-10	F-15EX			- / -	12 / 133.500	12 / 147.919	24 / 264.000	- / -	24 / 264.000
P-40	Total Gross/Weapon System Cost			- / -	12 / 133.500	12 / 147.919	24 / 264.000	- / -	24 / 264.000

*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 2023 budget requests \$264.0M of Advanced Procurement for 24 F-15EX aircraft to be procured in FY 2024. Advance Procurement funding provides for the procurement, fabrication, and manufacturing of long-lead items necessary to maintain the F-15EX aircraft delivery schedule. Funding may also be used to resolve Diminishing Manufacturing Sources and Material Shortages (DMSMS) and/or obsolescence issues. DMSMS activities may include, but are not limited to, bridge buys, life of type buys, buys to protect production schedule, and minor engineering efforts.

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Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Air Force					Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3			P-1 Line Item Number / Title: F015EX / F-15EX			P-5 Number / Title: F-15EX	
First System (2023) Award Date: September 2024		First System (2023) Completion Date: October 2027			Interval Between Systems: 0 Months		
F-15EX		Production Leadtime <i>(Months)</i>	Prior Years <i>(Each)</i>	FY 2021 <i>(Each)</i>	FY 2022 <i>(Each)</i>	FY 2023 <i>(Each)</i>	
Quantity		12	-	12	12	24	
Cost Elements		When Required <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2021 <i>(\$ M)</i>	FY 2022 <i>(\$ M)</i>	FY 2023 <i>(\$ M)</i>	
CFE							
Airframe: AFT Fuselage ^(†)		12	-	18.875	20.913	37.330	
Airframe: Avionics ^(†)		12	-	6.953	7.704	13.743	
Airframe: Canopy ^(†)		12	-	0.131	0.145	0.250	
Airframe: Center Fuselage ^(†)		12	-	12.323	13.654	24.362	
Airframe: Forward Fuselage ^(†)		12	-	0.417	0.462	0.825	
Airframe: Structures ^(†)		12	-	9.015	9.989	17.840	
Airframe: Subsystems ^(†)		12	-	83.945	93.012	166.002	
Airframe: Wings ^(†)		12	-	1.841	2.040	3.648	
<i>Total: CFE</i>			-	<i>133.500</i>	<i>147.919</i>	<i>264.000</i>	
Total Advance Procurement/Obligation Authority			-	133.500	147.919	264.000	

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Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Air Force						Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 01 / 3			P-1 Line Item Number / Title: F015EX / F-15EX			P-5 Number / Title: F-15EX	
FY 2023							
Cost Elements	QPA (Each)	Production Leadtime (Months)	Unit Cost (\$ M)	Contract Forecast Date	2023 Qty (Each)	For FY	Total Cost Request (\$ M)
CFE							
Airframe: AFT Fuselage ^(†)	1	25	1.555	Mar 2023	24		37.330
Airframe: Avionics ^(†)	1	25	0.573	Mar 2023	24		13.743
Airframe: Canopy ^(†)	1	25	0.010	Mar 2023	24		0.250
Airframe: Center Fuselage ^(†)	1	25	1.015	Mar 2023	24		24.362
Airframe: Forward Fuselage ^(†)	1	25	0.034	Mar 2023	24		0.825
Airframe: Structures ^(†)	1	28	0.743	Mar 2023	24		17.840
Airframe: Subsystems ^(†)	1	25	6.917	Mar 2023	24		166.002
Airframe: Wings ^(†)	1	24	0.152	Mar 2023	24		3.648
<i>Total: CFE</i>							<i>264.000</i>
Total Advance Procurement/Obligation Authority							264.000

Description:
The FY 2023 budget requests \$264.0M of Advanced Procurement for long-lead materials for 24 F-15EX aircraft to be procured in FY 2024.

^(†) 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 2023 Air Force **Date:** April 2022

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 MDAP

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	79	16	14	15	-	15	15	15	15	6	-	175
Gross/Weapon System Cost (<i>\$ in Millions</i>)	12,789.426	2,728.113	2,289.015	2,684.503	-	2,684.503	3,030.904	2,906.983	2,953.526	1,533.839	0.000	30,916.309
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	12,789.426	2,728.113	2,289.015	2,684.503	-	2,684.503	3,030.904	2,906.983	2,953.526	1,533.839	0.000	30,916.309
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	12,789.426	2,728.113	2,289.015	2,684.503	-	2,684.503	3,030.904	2,906.983	2,953.526	1,533.839	0.000	30,916.309
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	845.835	45.154	222.023	140.938	-	140.938	244.708	249.489	253.485	132.190	-	2,133.822
Flyaway Unit Cost (<i>\$ in Millions</i>)	147.469	151.360	154.856	159.312	-	159.312	175.844	175.214	180.607	188.976	-	158.505
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	161.891	170.507	163.501	178.967	-	178.967	202.060	193.799	196.902	255.640	-	176.665

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 Rate Initial Production (LRIP). The program awarded LRIP Lots 1 and 2 on 18 Aug 2016, LRIP Lot 3 on 27 Jan 2017, LRIP Lot 4 on 10 Sep 2018, and LRIP Lot 5 on 27 Sep 2019. Lot 6 awarded the aircraft on 12 Jan 2021 and Lot 7 awarded on 20 Jan 2021 bringing the total number of aircraft on production contract to 94. The associated spares and support equipment was awarded on 1 Jul 2021. Initial sustainment effort is 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 Support Costs (PSC) 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 first DD250 was signed on 10 Jan 2019. The Air Force delivered the first KC-46 to McConnell Air Force Base on 25 Jan 2019. As of 18 Mar 2022, 57 aircraft have been delivered to the Air Force.

The Aircrew Training System (ATS) and Maintenance Training System (MTS) are being procured using KC-46 funding. The ATS contract was awarded on 1 May 2013 to Flight Safety Services Corporation. The ATS contract will provide Aircrew Training Devices (ATDs), to include Weapon System Trainers (WSTs), Boom Operator Trainers (BOTs), Fuselage Trainers (FuTs), Part-Task Trainers (PTTs), and emerging technologies to meet validated Air Mobility Command (AMC) aircrew training requirements 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/courseware concurrency with the aircraft. The first six ATS production options were exercised on 19 Aug 2015, 31 May 2017, 30 Apr 2018, 31 Mar 2019, 27 Feb 2020, and 4 Mar 2021.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force Date: April 2022

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 MDAP

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 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), Part Task Trainers (PTTs), Interactive Multimedia Instruction (IMI), and emerging technologies to meet validated AMC maintenance training requirements. A MTS initial production option for 19 Virtual Maintenance Training Systems (VMTS) classrooms was exercised on 15 Jun 2017 in support of Main Operating Base (MOB) #1's ready for training dates. In addition, on 5 Aug 2019 an option was exercised to acquire the remaining two Flight Deck Avionics Trainers (FDAT) to complete the compliment of hardware training devices for McConnell AFB (MOB1). DD250s for all the classrooms at MOB1 were signed and delivery was made in Dec 2018. More recently, the option to exercise purchases of classrooms for MOB #4a and #4b was awarded 19 May 2021 in order to provide an initial classroom training capability to MOB #4a and #4b in the Sep 2022 and Nov 2023 timeframes.

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. The MS C acquisition strategy for Large Aircraft Infrared Countermeasures (LAIRCM) changed from Contractor Furnished Equipment (CFE) to Government Furnished Property (GFP) in FY 2017 and FY 2017 funding procured LAIRCM for Lot 3 and Lot 4 aircraft. FY 2023 funding provides for the procurement of LAIRCM in time to support future year aircraft production. A Dec 2017 USD(AT&L) Acquisition Decision Memorandum expanded LRIP to include Lot 5. Another Program Deviation Report was submitted on June 8, 2020, to declare a breach to the Full Rate Production Decision. A new APB dated October 19, 2020 was approved, and a new ADM dated October 20, 2020 re-designated Lots 6 through 9 as LRIP.

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. KC-46 First Flight occurred on 25 Sep 2015. Developmental Test and Evaluation (DT&E) completed in the first quarter of FY 2019 with the use of LRIP aircraft. Initial Operational Test and Evaluation (IOT&E) formally began in Oct 2019.

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

Funding for this exhibit is contained in PE 0401221F.

This requirement (or modification) supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 MDAP

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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 MDAP	P-5a, P-21	B		79 / 12,789.426	16 / 2,728.113	14 / 2,289.015	15 / 2,684.503	- / -	15 / 2,684.503
P-40	Total Gross/Weapon System Cost				79 / 12,789.426	16 / 2,728.113	14 / 2,289.015	15 / 2,684.503	- / -	15 / 2,684.503

*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 2023 budget supports the procurement of 15 KC-46A aircraft along with other necessary associated expenses to deliver, sustain, and maintain the Lot 9 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 2023 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.

PSC activities for contractor services and OGCs are included in the FY 2023 funding. The FY 2023 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 2023 funding will include ATS procurement of ATDs and compulsory elements required to support Aircrew Training throughput levels as identified by AMC.

The aircraft initial spares program funds are required to fill the initial spares parts pipeline and repair spare parts in support of newly fielded aircraft. These initial spares include spare engines. This program meets Air Mobility Command's bed-down plan for KC-46A.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force **Date:** April 2022

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

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (Units in Each)	79	16	14	15	-	15
Gross/Weapon System Cost (\$ in Millions)	12,789.426	2,728.113	2,289.015	2,684.503	-	2,684.503
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	12,789.426	2,728.113	2,289.015	2,684.503	-	2,684.503
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	12,789.426	2,728.113	2,289.015	2,684.503	-	2,684.503

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

Initial Spares (\$ in Millions)	845.835	45.154	222.023	140.938	-	140.938
Gross/Weapon System Unit Cost (\$ in Millions)	161.891	170.507	163.501	178.967	-	178.967

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

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																		
Non Recurring Cost																		
Airframe ^(†)	143.049	79	11,300.870	143.416	16	2,294.659	149.832	14	2,097.648	150.955	15	2,264.325	-	-	-	150.955	15	2,264.325
AME Wing Aerial Refueling Pod (WARP) kits	5.394	25	134.850	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Boom Telescope Actuator	-	-	0.000	-	-	0.000	-	-	0.000	-	-	63.412	-	-	-	-	-	63.412
AWL	-	-	0.000	-	-	87.555	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
GFE (LAIRCM)	2.433	87	211.709	3.296	12	39.546	3.350	21	70.342	3.438	15	51.577	-	-	-	3.438	15	51.577
AME (Other)	-	-	2.621	-	-	0.000	-	-	0.000	-	-	10.361	-	-	-	-	-	10.361
<i>Subtotal: Non Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>11,650.050</i>	<i>-</i>	<i>-</i>	<i>2,421.760</i>	<i>-</i>	<i>-</i>	<i>2,167.990</i>	<i>-</i>	<i>-</i>	<i>2,389.675</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>2,389.675</i>
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	<i>-</i>	<i>-</i>	<i>11,650.050</i>	<i>-</i>	<i>-</i>	<i>2,421.760</i>	<i>-</i>	<i>-</i>	<i>2,167.990</i>	<i>-</i>	<i>-</i>	<i>2,389.675</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>2,389.675</i>
Support - Support End Item Cost																		
Init. Spares	-	-	168.686	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Aircrew Training Systems (ATS)	-	-	199.124	-	-	38.971	-	-	8.241	-	-	73.365	-	-	-	-	-	73.365
Maintenance Training Systems (MTS)	-	-	8.276	-	-	31.134	-	-	10.154	-	-	2.266	-	-	-	-	-	2.266
Support Equipment	-	-	280.220	-	-	4.244	-	-	11.693	-	-	0.486	-	-	-	-	-	0.486
Operational Site Activation	-	-	1.906	-	-	4.447	-	-	17.518	-	-	2.918	-	-	-	-	-	2.918

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Exhibit P-5, Cost Analysis: PB 2023 Air Force												Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2						P-1 Line Item Number / Title: KC046A / KC-46A MDAP						Item Number / Title [DODIC]: KC-46A MDAP					
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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
Depot Stand-Up	-	-	74.509	-	-	91.209	-	-	50.066	-	-	162.377	-	-	-	-	-	162.377
Interim Contractor Support	-	-	281.053	-	-	102.481	-	-	5.366	-	-	1.352	-	-	-	-	-	1.352
Direct Mission Support	-	-	26.637	-	-	3.864	-	-	2.525	-	-	4.152	-	-	-	-	-	4.152
PSC - Contractor Services	-	-	62.488	-	-	23.340	-	-	0.000	-	-	24.414	-	-	-	-	-	24.414
PSC - Other Government Costs	-	-	30.095	-	-	6.663	-	-	15.462	-	-	23.498	-	-	-	-	-	23.498
Aeromedical Evacuation Cargo Compartment Trainer	-	-	6.382	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Support - Support End Item Cost</i>	-	-	1,139.376	-	-	306.353	-	-	121.025	-	-	294.828	-	-	-	-	-	294.828
Gross/Weapon System Cost	161.891	79	12,789.426	170.507	16	2,728.113	163.501	14	2,289.015	178.967	15	2,684.503	-	-	-	178.967	15	2,684.503

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.

Depot Source Of Repair (DSOR) #06-038 determined Oklahoma City-Air Logistics Complex as DSOR for KC-46 on 2006. The depot will conduct aircraft maintenance checks, software maintenance, engine maintenance, and commodities. Depot standup efforts increased significantly in FY 2022 and are currently ongoing. Transition to Organic Sustainment is planned to begin in Summer 2022, but depot standup will continue along with a gradual transition period. The timing of the increase in depot standup funding correlates to the timing of aircraft deliveries, which began in Jan 2019.

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 Period 3 awarded in June 2019 using FY 2017 funds. ICS funding requirements return to normal in FY 2020 with ICS Period 4. ICS Period 5 was funded with FY 2021 funds. FY 2022 and FY 2023 ICS funds are primarily for a separate contract for LAIRCM ICS.

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 (Boom ECP, AWL, 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 not to exceed (NTE) amount 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.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2	P-1 Line Item Number / Title: KC046A / KC-46A MDAP	Item Number / Title [DODIC]: KC-46A MDAP
ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:	
<p>The FY2021 Congressional Omnibus approved reprogramming FY2021 funds in order to increase FY2021 procurement budget, as shown in these exhibits. This additional funding is to procure an additional aircraft in the next KC-46A aircraft production lot (Lot 8). In FY2021, 15 aircraft were procured in production Lot 7 with FY2021 funds. 15 aircraft are planned to be procured in Lot 8, of which 14 will be procured with FY2022 funds, and 1 aircraft with FY2021 funds. As such, totals of 16 aircraft are procured with FY2021 funds, and 14 aircraft with FY2022 funds, as shown in these exhibits.</p> <p>(t) indicates the presence of a P-5a</p>		

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Exhibit P-5a, Procurement History and Planning: PB 2023 Air Force							Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2			P-1 Line Item Number / Title: KC046A / KC-46A MDAP				Item Number / Title [DODIC]: KC-46A MDAP				

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	Jan 2019	7	160.387	Y		Feb 2016
Airframe ^(†)		2016	Boeing / Everett	C / FFP	AFLCMC/WK - Tankers	Aug 2016	Jan 2019	12	143.335	Y		Feb 2016
Airframe ^(†)		2017	Boeing / Everett	C / FFP	AFLCMC/WK - Tankers	Jan 2017	Jan 2019	15	138.367	Y		Nov 2015
Airframe ^(†)		2018	Boeing / Everett	C / FFP	AFLCMC/WK - Tankers	Sep 2018	Aug 2019	18	142.878	Y		Oct 2016
Airframe ^(†)		2019	Boeing / Everett	C / FFP	AFLCMC/WK - Tankers	Sep 2019	Oct 2021	15	141.502	Y		Dec 2017
Airframe ^(†)		2020	Boeing / Everett	C / FFP	AFLCMC/WL - Mobiity	Jan 2021	Oct 2022	12	141.864	Y		Oct 2018
Airframe ^(†)		2021	Boeing / Everett	C / FFP	AFLCMC/WL - Mobiity	Jan 2021	Jul 2023	16	143.416	Y		Oct 2018
Airframe ^(†)		2022	Boeing / Everett	C / FFP	AFLCMC/WL - Mobiity	Jan 2022	May 2024	14	149.832	Y		Jul 2020
Airframe ^(†)		2023	Boeing / Everett	C / FFP	AFLCMC/WL - Mobiity	Jan 2023	Mar 2025	15	150.955	Y		Jul 2020

^(†) 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 supported 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 seventeen (17) receiver aircraft pairings during Phase 3 AR Cert, whichever occurs later. This product baseline will be finalized and validated at the Physical Configuration Audit Update.

Unit Cost Variations: The Airframe unit cost is based on the aircraft not to exceed (NTE) amount 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.

The FY2021 Congressional Omnibus approved reprogramming FY2021 funds in order to increase FY2021 procurement budget, as shown in these exhibits. This additional funding is to procure an additional aircraft in the next KC-46A aircraft production lot (Lot 8). In FY2021, 15 aircraft were procured in production Lot 7 with FY2021 funds. 15 aircraft are planned to be procured in Lot 8, of which 14 will be procured with FY2022 funds, and 1 aircraft with FY2021 funds. As such, totals of 16 aircraft are procured with FY2021 funds, and 14 aircraft with FY2022 funds, as shown in these exhibits. However, in this P-5a, the "Qty" shown as awarded should be 15 aircraft in 2021 (Lot 7) and 15 aircraft in 2022 (Lot 8). In addition, the last delivery date of the 2021-awarded aircraft should be March 2024, and the first delivery date of the 2022-awarded aircraft should be April 2024.

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2	P-1 Line Item Number / Title: KC046A / KC-46A MDAP	Item Number / Title [DODIC]: KC-46A MDAP
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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																															
1		2015	AF ⁽¹⁾	7	0	7																							7		
1		2016	AF ⁽²⁾	12	0	12																							12		
1		2017	AF ⁽³⁾	15	0	15																							15		
1		2018	AF ⁽⁴⁾	18	0	18																							18		
1		2019	AF	15	0	15																							15		
1		2020	AF	12	0	12																							12		
1		2021	AF	16	0	16																							16		
1		2022	AF	14	0	14																							14		
1		2023	AF	15	0	15																							15		

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2	P-1 Line Item Number / Title: KC046A / KC-46A MDAP	Item Number / Title [DODIC]: KC-46A MDAP
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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																																	
1		2015	AF ⁽¹⁾	7	0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5				
1		2016	AF ⁽²⁾	12	0	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4				
1		2017	AF ⁽³⁾	15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
1		2018	AF ⁽⁴⁾	18	0	18											A -	-	-	-	-	-	-	-	-	-	-	13	-	5			
1		2019	AF	15	0	15																							A -	15			
1		2020	AF	12	0	12																								12			
1		2021	AF	16	0	16																								16			
1		2022	AF	14	0	14																								14			
1		2023	AF	15	0	15																								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 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2	P-1 Line Item Number / Title: KC046A / KC-46A MDAP	Item Number / Title [DODIC]: KC-46A MDAP
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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																																	
1		2015	AF ⁽¹⁾	7	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5				
1		2016	AF ⁽²⁾	12	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	1			
1		2017	AF ⁽³⁾	15	15	0																							0				
1		2018	AF ⁽⁴⁾	18	13	5	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	-	1						0				
1		2019	AF	15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15				
1		2020	AF	12	0	12																A -	-	-	-	-	-	-	12				
1		2021	AF	16	0	16																A -	-	-	-	-	-	-	16				
1		2022	AF	14	0	14																						14					
1		2023	AF	15	0	15																						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 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2	P-1 Line Item Number / Title: KC046A / KC-46A MDAP	Item Number / Title [DODIC]: KC-46A MDAP
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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 ⁽¹⁾	7	7	0																							0		
1		2016	AF ⁽²⁾	12	12	0																							0		
1		2017	AF ⁽³⁾	15	15	0																							0		
1		2018	AF ⁽⁴⁾	18	18	0																							0		
1		2019	AF	15	15	0																							0		
1		2020	AF	12	12	0																							0		
1		2021	AF	16	3	13	2	2	1	2	2	3	1																0		
1		2022	AF	14	0	14	-	-	-	-	-	-	-	1	2	2	1	1	1	1	2	1	2							0	
1		2023	AF	15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	1	2	1	1	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 2023 Air Force **Date:** April 2022

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

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026													Fiscal Year 2027													BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026													Calendar Year 2027													
							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 ⁽¹⁾	7	7	0																							0				
	1	2016	AF ⁽²⁾	12	12	0																							0				
	1	2017	AF ⁽³⁾	15	15	0																							0				
	1	2018	AF ⁽⁴⁾	18	18	0																							0				
	1	2019	AF	15	15	0																							0				
	1	2020	AF	12	12	0																							0				
	1	2021	AF	16	16	0																							0				
	1	2022	AF	14	14	0																							0				
	1	2023	AF	15	10	5	2	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 2023 Air Force		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 2		P-1 Line Item Number / Title: KC046A / KC-46A MDAP
Item Number / Title [DODIC]: KC-46A MDAP		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2023	1-8-5 For 2023	MAX For 2023	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	15	0	0	0	0	0	0	4	26	30

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 (2 shifts of 8 hours each 5 days a week).
 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.
 Aircraft acceptance dates in above schedule reflect date of DD Form 250, Material Inspection and Receiving Report, not date of ferry flight from vendor's production facility to Air Force assigned operating location.
 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, aircraft in Lot 1 required significant change incorporation to bring them up to the production baseline. This change incorporation delayed Lot 1 aircraft deliveries.
 The first aircraft deliveries occurred on 25 Jan 2019.
 The FY2021 Congressional Omnibus approved reprogramming FY2021 funds in order to increase FY2021 procurement budget, as shown in these exhibits. This additional funding is to procure an additional aircraft in the next KC-46A aircraft production lot (Lot 8). In FY2021, 15 aircraft were procured in production Lot 7 with FY2021 funds. 15 aircraft are planned to be procured in Lot 8, of which 14 will be procured with FY2022 funds, and 1 aircraft with FY2021 funds. As such, totals of 16 aircraft are procured with FY2021 funds, and 14 aircraft with FY2022 funds, as shown in these exhibits. However, in this P-21, the "Proc Qty" shown as awarded should be 15 aircraft awarded in 2021 (Lot 7) and 15 aircraft awarded in 2022 (Lot 8). In addition, the last delivery date of the 2021-awarded aircraft should be March 2024, and the first delivery date of the 2022-awarded aircraft should be April 2024.
 "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 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 2020 loaded in the month of first delivery.
 (2) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2020 loaded in the month of first delivery.
 (3) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2020 loaded in the month of first delivery.
 (4) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2020 loaded in the month of first delivery.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	174	8	21	-	-	-	-	-	-	-	-	203
Gross/Weapon System Cost (<i>\$ in Millions</i>)	15,618.374	797.131	2,385.206	75.293	-	75.293	34.820	0.000	0.000	0.000	156.115	19,066.939
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	0.000	0.000
Net Procurement (P-1) (<i>\$ in Millions</i>)	15,618.374	797.131	2,385.206	75.293	-	75.293	34.820	0.000	0.000	0.000	156.115	19,066.939
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	0.000	0.000
Total Obligation Authority (<i>\$ in Millions</i>)	15,618.374	797.131	2,385.206	75.293	-	75.293	34.820	0.000	0.000	0.000	156.115	19,066.939

(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>)	70.545	88.421	102.744	-	-	-	-	-	-	-	-	74.581
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	89.761	99.641	113.581	-	-	-	-	-	-	-	-	93.926

Description:

Note: The correct quantity in FY22 is 20 not 21. Congress was briefed and approved the removal of 1 aircraft and the funds to be used toward diminishing manufacturing sources. The 20 aircraft are congressional adds.

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 were procured with National Guard, Reserve Equipment Account (NGREA) funds early in the program.

Funding for this exhibit is contained in PE 0401132F.

Program funding, including Congressional Add funding, includes efforts related to, but not limited to, Diminishing Manufacturing Sources, Depot Activation, Production cut-ins, Program Support Costs, Initial Spares, and Studies and/or Risk Reduction efforts.

This program includes costs for the following C-130J aircraft variants: C-130J stretch aircraft, C-130J short aircraft, WC-130J aircraft, and EC-130J aircraft.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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		A		174 / 15,618.374	8 / 797.131	21 / 2,385.206	- / 75.293	- / -	- / 75.293
P-40	Total Gross/Weapon System Cost				174 / 15,618.374	8 / 797.131	21 / 2,385.206	- / 75.293	- / -	- / 75.293

*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:
 FY 2023 funding supports program requirements including logistics support services, engineering support services, Diminishing Manufacturing Sources, program support costs, post delivery support and Trainers' Visual Database.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (Units in Each)	174	8	21	-	-	-
Gross/Weapon System Cost (\$ in Millions)	15,618.374	797.131	2,385.206	75.293	-	75.293
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	15,618.374	797.131	2,385.206	75.293	-	75.293
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	15,618.374	797.131	2,385.206	75.293	-	75.293

(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)	89.761	99.641	113.581	-	-	-

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

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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	68.548	174	11,927.362	86.130	8	689.036	105.290	20	2,105.794	-	-	-	-	-	-	-	-	-
Other Government Furnished Equipment	-	-	347.524	-	-	18.330	-	-	51.830	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	12,274.886	-	-	707.366	-	-	2,157.624	-								
Subtotal: Flyaway - Flyaway End Item Cost	-	-	12,274.886	-	-	707.366	-	-	2,157.624	-								

Support - Support End Item Cost																		
Airframe Peculiar Ground Support Equipment (PGSE)	-	-	23.872	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peculiar Training Equipment	-	-	275.555	-	-	28.719	-	-	10.808	-	-	4.442	-	-	-	-	-	4.442
Engineering and Logistics Services	-	-	69.588	-	-	-	-	-	5.719	-	-	3.830	-	-	-	-	-	3.830
Diminishing Manufacturing Sources (DMS)	-	-	253.158	-	-	11.373	-	-	137.384	-	-	57.142	-	-	-	-	-	57.142
Interim Contractor Support (ICS)	-	-	103.904	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interim Supply Support (ISS) (Spares)	-	-	944.008	-	-	39.827	-	-	63.000	-	-	-	-	-	-	-	-	-
Post Delivery Support	-	-	171.705	-	-	3.194	-	-	1.150	-	-	2.955	-	-	-	-	-	2.955
Organic Depot Support	-	-	34.110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
Program Support Costs	-	-	136.368	-	-	5.228	-	-	5.827	-	-	6.924	-	-	-	-	-	6.924
Other	-	-	1,329.186	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alternate Mission Equipment	-	-	2.034	-	-	1.424	-	-	3.694	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>	-	-	3,343.488	-	-	89.765	-	-	227.582	-	-	75.293	-	-	-	-	-	75.293
Gross/Weapon System Cost	89.761	174	15,618.374	99.641	8	797.131	113.581	21	2,385.206	-	-	75.293	-	-	-	-	-	75.293

Remarks:

The correct quantity in FY22 is 20 not 21. Congress was briefed and approved the removal of 1 aircraft and the funds to be used toward diminishing manufacturing sources. The 20 aircraft are congressional adds.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	68	3	3	-	-	-	-	-	-	-	-	74
Gross/Weapon System Cost (<i>\$ in Millions</i>)	6,523.032	407.486	266.049	40.351	-	40.351	10.088	10.364	10.696	10.928	0.000	7,278.994
Less PY Advance Procurement (<i>\$ in Millions</i>)	674.122	54.380	46.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	774.502
Net Procurement (P-1) (<i>\$ in Millions</i>)	5,848.910	353.106	220.049	40.351	-	40.351	10.088	10.364	10.696	10.928	0.000	6,504.492
Plus CY Advance Procurement (<i>\$ in Millions</i>)	744.502	30.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	774.502
Total Obligation Authority (<i>\$ in Millions</i>)	6,593.412	383.106	220.049	40.351	-	40.351	10.088	10.364	10.696	10.928	0.000	7,278.994

(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>)	78.145	97.590	86.491	-	-	-	-	-	-	-	-	79.272
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	95.927	135.829	88.683	-	-	-	-	-	-	-	-	98.365

Description:

Note: The Prior Years Total on the Resource Summary should read 68. An additional 20 MC-130Js were procured on separate P-1 lines from FY08-FY14 for a true Prior Years Total of 88.

HC/MC-130 Recapitalization ("Recap") produces and modifies HC/MC-130J aircraft to replace the USAF's aging legacy Combat Rescue HC-130P/N and Special Operations MC-130E/P/H aircraft, which are experiencing airworthiness, maintainability and operational limitations. The Recap program incorporates production line modifications to the C-130J common/baseline configuration to convert them to the HC/MC model, and also funds post-production modifications to add special mission systems required for behind-enemy-line operations required of Combat Rescue and Special Operations aircraft.

Beginning with the FY11 President's Budget, the HC-130 Recap and MC-130 Recap programs have been budgeted separately for improved visibility. Prior year MC-130 Recap program details are reported as part of the HC/MC Recap program. The first seven MCs were bought under the C-130J line and the next fifteen aircraft buys were purchased under the combined HC/MC-130 Recap program (a different budget line) for a total buy of 95 MC-130J aircraft.

The delivery dates for HC-130Js and MC-130Js have been adjusted to provide the AC-130J modification line with MC-130Js to allow that line to operate at peak efficiency. This was accomplished through an agreement between Air Combat Command (ACC), Air Force Special Operations Command (AFSOC), Air Force Reserves (AFR), and Air National Guard (ANG). Future changes may be required.

This AF funding request incorporates a Multiyear Procurement (MYP) for FY19 thru FY22. The MYP is part of the larger C-130J buy including Air Force, Coast Guard, and USMC. In support of the MYP, 88 million of Economic Order Quantity (EOQ) funding is included in the FY19 Advance Procurement (AP) Request for FY20-FY22.

Advance procurement items are limited to components whose 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. Typically 10 million Advance Procurement (AP) and 4.794 million EOQ is allocated per aircraft. However, due to Congressional Adds and changes to aircraft buy profiles, not every aircraft had advanced procurement budgeted.

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

Program funding includes but is not limited to purchase of Airframes, Engines, Government Furnished Equipment, Large Aircraft Infrared-Counter Measures (LAIRCM), Common & Peculiar production support equipment, Trainers, Pub/Tech Data, Diminishing Manufacturing Sources, Interim Contractor Support, Post Delivery Support, Spares, Data, Program Support Costs (PSC) Government Services, & other associated costs such as Depot Activation costs which permits the initiation of studies to support rapid requirement fielding activities, and allows for corrections of production deficiencies. The DSOR 17-001F was

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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		
<p>modified in 2018 to include AC/HC and MC-130J and all variants for programmed depot level maintenance (PDM) and unscheduled depot level maintenance (UDLM) on the aircraft. Depot support at Robins is primarily composed of basic airframes subject to organic depot level maintenance (e.g. programmed depot maintenance, analytical condition inspection, regular incorporation of depot level modifications/Time Compliance Technical Orders (TCTOs), etc.) This support also includes structural member, control surfaces, and other integral airframe components. This funding request will support obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity.</p> <p>MYP contract (MYP III) awarded in FY20 and includes aircraft procured through FY22. Prior Year per-aircraft costs are lower due to two factors: inflation, plus fact that most FY14-18 purchases were under a multi-year procurement (MYII). Economic Order Quantity (EOQ) discounts applied to most aircraft purchased during that timeframe.</p> <p>In June 2021, MC-130J was granted approval to increase the FY19 aircraft from 6 to 7 and decrease the FY21 aircraft from 4 to 3.</p> <p>Funding for this exhibit is contained in PE 0207230F.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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		A		68 / 6,523.032	3 / 407.486	3 / 266.049	- / 40.351	- / -	- / 40.351
P-40	Total Gross/Weapon System Cost				68 / 6,523.032	3 / 407.486	3 / 266.049	- / 40.351	- / -	- / 40.351

*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:
 FY 2023 funding supports program requirements including logistics support, engineering support, diminishing manufacturing services, program support cost, and post delivery support.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force **Date:** April 2022

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

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (Units in Each)	68	3	3	-	-	-
Gross/Weapon System Cost (\$ in Millions)	6,523.032	407.486	266.049	40.351	-	40.351
Less PY Advance Procurement (\$ in Millions)	674.122	54.380	46.000	0.000	-	0.000
Net Procurement (P-1) (\$ in Millions)	5,848.910	353.106	220.049	40.351	-	40.351
Plus CY Advance Procurement (\$ in Millions)	744.502	30.000	0.000	0.000	-	0.000
Total Obligation Authority (\$ in Millions)	6,593.412	383.106	220.049	40.351	-	40.351

(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)	95.927	135.829	88.683	-	-	-

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

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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	73.460	68	4,995.301	92.667	3	278.000	86.491	3	259.472	-	-	0.000	-	-	-	-	-	0.000
Government Furnished Equipment (GFE)	-	-	174.157	-	-	14.770	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
LAIRCM Group B	-	-	144.431	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>5,313.889</i>	<i>-</i>	<i>-</i>	<i>292.770</i>	<i>-</i>	<i>-</i>	<i>259.472</i>	<i>-</i>	<i>-</i>	<i>0.000</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>0.000</i>
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	<i>-</i>	<i>-</i>	<i>5,313.889</i>	<i>-</i>	<i>-</i>	<i>292.770</i>	<i>-</i>	<i>-</i>	<i>259.472</i>	<i>-</i>	<i>-</i>	<i>0.000</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>0.000</i>
Support - Support End Item Cost																		
Airframe Peculiar Ground Support Equipment (PGSE)	-	-	44.990	-	-	0.001	-	-	0.001	-	-	5.151	-	-	-	-	-	5.151
Peculiar Training Equipment	-	-	330.909	-	-	10.100	-	-	0.001	-	-	3.400	-	-	-	-	-	3.400
Publications/Technical Data	-	-	52.008	-	-	0.001	-	-	0.008	-	-	3.800	-	-	-	-	-	3.800
Diminishing Manufacturing Sources	-	-	87.465	-	-	35.730	-	-	0.000	-	-	3.216	-	-	-	-	-	3.216
Interim Contractor Support (ICS)	-	-	47.676	-	-	0.411	-	-	0.008	-	-	1.130	-	-	-	-	-	1.130
Interim Supply Support (ISS)	-	-	472.119	-	-	8.770	-	-	3.084	-	-	13.047	-	-	-	-	-	13.047
Depot Standup	-	-	37.841	-	-	2.016	-	-	0.150	-	-	3.289	-	-	-	-	-	3.289

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Exhibit P-5, Cost Analysis: PB 2023 Air Force												Date: April 2022					
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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
PSC Contrator Services	-	-	33.470	-	-	0.066	-	-	3.150	-	-	3.469	-	-	-	-	-	3.469
PSC Government Services	-	-	32.461	-	-	0.071	-	-	0.160	-	-	1.700	-	-	-	-	-	1.700
Other Government Costs	-	-	19.961	-	-	0.150	-	-	0.015	-	-	2.149	-	-	-	-	-	2.149
Rescission	-	-	50.243	-	-	57.400	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>	-	-	1,209.143	-	-	114.716	-	-	6.577	-	-	40.351	-	-	-	-	-	40.351
Gross/Weapon System Cost	95.927	68	6,523.032	135.829	3	407.486	88.683	3	266.049	-	-	40.351	-	-	-	-	-	40.351

Remarks:

Note: The Prior Years Total on the Resource Summary should read 68. An additional 20 MC-130Js were procured on separate P-1 lines from FY08-FY14 for a true Prior Years Total of 88

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Air Force										Date: April 2022		
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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Gross/Weapon System Cost (<i>\$ in Millions</i>)	744.502	30.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	774.502
Net Procurement (P-1) (<i>\$ in Millions</i>)	744.502	30.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	774.502
Total Obligation Authority (<i>\$ in Millions</i>)	744.502	30.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	774.502

Description:

HC/MC-130 Recapitalization ("Recap") produces and modifies HC/MC-130J aircraft to replace the USAF's aging legacy Combat Rescue HC-130P/N and Special Operations MC-130E/P/H aircraft, which are experiencing airworthiness, maintainability and operational limitations. The Recap program incorporates production line modifications to the C-130J common/baseline configuration to convert them to the HC/MC model, and also funds post-production modifications to add special mission systems required for behind-enemy-line operations required of Combat Rescue and Special Operations aircraft.

Beginning with the FY11 President's Budget, the HC-130 Recap and MC-130 Recap programs have been budgeted separately for improved visibility. Prior year MC-130 Recap program details are reported as part of the HC/MC Recap program. The first seven MCs were bought under the C-130J line and the next fifteen aircraft buys were purchased under the combined HC/MC-130 Recap program (a different budget line) for a total buy of 95 MC-130J aircraft.

This AF funding request incorporates a Multiyear Procurement (MYP) for FY19 thru FY22. The MYP is part of the larger C-130J buy including Air Force, Coast Guard, and USMC. In support of the MYP, 88M of Economic Order Quantity (EOQ) funding is included in the FY19 Advance Procurement (AP) Request for FY20-FY22.

FY21 AP is currently showing for 4 aircraft, however the FY22 aircraft profile is only 3 aircraft after approval to move forward an aircraft increasing FY19 aircraft buys.

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.

Typically 10 million Advance Procurement and 4.794 million EOQ is allocated per aircraft. However, due to Congressional Adds and changes to aircraft buy profiles, not every aircraft had advanced procurement budgeted.

Funding for this exhibit is contained in PE 0207230F.

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Air Force							Date: April 2022		
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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)					
P-10	MC-130J			68 / 744.502	3 / 30.000	3 / 0.000	- / 0.000	- / -	- / 0.000
P-40	Total Gross/Weapon System Cost			68 / 744.502	3 / 30.000	3 / 0.000	- / 0.000	- / -	- / 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:
No FY 2023 funding requested.

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Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Air Force					Date: April 2022		
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 (2023) Award Date: April 2022		First System (2023) Completion Date: April 2022			Interval Between Systems: 0 Months		
MC-130J		Production Leadtime <i>(Months)</i>	Prior Years <i>(Each)</i>	FY 2021 <i>(Each)</i>	FY 2022 <i>(Each)</i>	FY 2023 <i>(Each)</i>	
Quantity		12	68	3	3	-	
Cost Elements		When Required <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2021 <i>(\$ M)</i>	FY 2022 <i>(\$ M)</i>	FY 2023 <i>(\$ M)</i>	
CFE							
Airframe/Engines/Accessories		12	744.502	30.000	-	-	
<i>Total: CFE</i>			<i>744.502</i>	<i>30.000</i>	<i>-</i>	<i>-</i>	
Total Advance Procurement/Obligation Authority			744.502	30.000	0.000	0.000	

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Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 02 / 3	P-1 Line Item Number / Title: C130JM / MC-130J	P-5 Number / Title: MC-130J
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Cost Elements	QPA <i>(Each)</i>	FY 2023					Total Cost Request <i>(\$ M)</i>
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ M)</i>	Contract Forecast Date	2023 Qty <i>(Each)</i>	For FY	
CFE							
Airframe/Engines/Accessories	-						-
<i>Total: CFE</i>							-
Total Advance Procurement/Obligation Authority							0.000

Description:
 HC/MC-130 Recapitalization ("Recap") produces and modifies HC/MC-130J aircraft to replace the USAF's aging legacy Combat Rescue HC-130P/N and Special Operations MC-130E/P/H aircraft, which are experiencing airworthiness, maintainability and operational limitations. The Recap program incorporates production line modifications to the C-130J common/baseline configuration to convert them to the HC/MC model, and also funds post-production modifications to add special mission systems required for behind-enemy-line operations required of Combat Rescue and Special Operations aircraft.

Beginning with the FY11 President's Budget, the HC-130 Recap and MC-130 Recap programs have been budgeted separately for improved visibility. Prior year MC-130 Recap program details are reported as part of the HC/MC Recap program. The first seven MCs were bought under the C-130J line and the next fifteen aircraft buys were purchased under the combined HC/MC-130 Recap program (a different budget line) for a total buy of 95 MC-130J aircraft.

This AF funding request incorporates a Multiyear Procurement (MYP) for FY19 thru FY22. The MYP is part of the larger C-130J buy including Air Force, Coast Guard, and USMC. In support of the MYP, 88M of Economic Order Quantity (EOQ) funding is included in the FY19 Advance Procurement (AP) Request for FY20-FY22.

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.

Typically 10 million Advance Procurement and 4.794 million EOQ is allocated per aircraft. However, due to Congressional Adds and changes to aircraft buy profiles, not every aircraft had advanced procurement budgeted.

Funding for this exhibit is contained in PE 0207230F.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 03: Trainer Aircraft / BSA 1: UPT Trainers	P-1 Line Item Number / Title: APT000 / Advanced Trainer Replacement T-X
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ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0804701F	Other Related Program Elements: 0605223F
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Line Item MDAP/MAIS Code: 436

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	14	21	23	36	252	346
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	0.000	10.507	-	10.507	321.959	489.174	557.987	892.180	5,276.331	7,548.138
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	0.000	10.507	-	10.507	321.959	489.174	557.987	892.180	5,276.331	7,548.138
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	0.000	10.507	-	10.507	321.959	489.174	557.987	892.180	5,276.331	7,548.138

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	29.330	38.329	38.219	56.126	362.684	524.688
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	22.997	23.294	24.260	24.783	20.938	21.815

Description:

The Advanced Pilot Training (APT) program will replace the Air Education Training Commands (AETC) aging T-38C fleet with new aircraft, Ground Based Training Systems (simulators, training devices, computer based training systems, academics, etc.), Maintenance Training Systems (which will be procured via a separate contracting action), and support infrastructure currently used in the fighter/bomber advanced Specialized Undergraduate Pilot Training (SUPT) track as well as in the Introduction to Fighter Fundamentals (IFF) program.

The APT program acquisition strategy was approved by OSD (AT&L) in early FY 2017 (December 2016). The Program completed source selection evaluations and Milestone B in September 2018 and awarded a Fixed Price Incentive Firm Indefinite Delivery /Indefinite Quantity contract to The Boeing Company on 27 September 2018. Critical Design Review was completed in August 2020. The projected finish for Developmental Test and Evaluation is September 2023, and Initial Operational Test and Evaluation is scheduled to commence in May 2024. Milestone C is currently projected for November 2023 with the first Low Rate Initial Production deliveries anticipated in October 2024.

Funding Contained in this platform's documentation directly aids AETC flying training enterprise to continue its overall Future Years Defense Program pilot production increase to reduce the USAF Pilot Shortage. This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

Funding for this exhibit contained in PE 0804701F.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 03: Trainer Aircraft / BSA 1: UPT Trainers

P-1 Line Item Number / Title:
APT000 / Advanced Trainer Replacement T-X

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0804701F **Other Related Program Elements:** 0605223F

Line Item MDAP/MAIS Code: 436

Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)					
P-5	Advanced Trainer Replacement T-X		B		- / -	- / 0.000	- / 0.000	- / 10.507	- / -	- / 10.507
P-40	Total Gross/Weapon System Cost				- / -	- / 0.000	- / 0.000	- / 10.507	- / -	- / 10.507

*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.

FY 2023 funds will procure Common Support Equipment and Other Government Costs to support CY 2024 Low Rate Initial Production (LRIP) deliveries.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 03 / 1	P-1 Line Item Number / Title: APT000 / Advanced Trainer Replacement T-X	Item Number / Title [DODIC]: Advanced Trainer Replacement T-X
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ID Code (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.000	0.000	10.507	-	10.507
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	0.000	0.000	10.507	-	10.507
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	0.000	0.000	10.507	-	10.507

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

Initial Spares <i>(\$ in Millions)</i>	-	0.000	0.000	0.000	-	0.000
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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - Advanced Trainer Replacement T-7A Cost																		
Recurring Cost																		
Air Vehicle	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Other Flyaway Costs	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Vehicles - Advanced Trainer Replacement T-7A Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Support - Advanced Trainer Replacement T-7A Cost																		
Training	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Other Government Costs	-	-	-	-	-	0.000	-	-	0.000	-	-	1.548	-	-	-	-	-	1.548
Support Equipment	-	-	-	-	-	0.000	-	-	0.000	-	-	8.959	-	-	-	-	-	8.959
Interim Contractor Support	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Support - Advanced Trainer Replacement T-7A Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	10.507	-	-	-	-	-	10.507
Gross/Weapon System Cost	-	-	-	-	-	0.000	-	-	0.000	-	-	10.507	-	-	-	-	-	10.507

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 / MH-139A

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	8	5	-	5	10	12	15	9	23	82
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	194.016	141.360	156.192	-	156.192	282.143	420.714	537.747	356.119	917.723	3,006.014
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	194.016	141.360	156.192	-	156.192	282.143	420.714	537.747	356.119	917.723	3,006.014
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	194.016	141.360	156.192	-	156.192	282.143	420.714	537.747	356.119	917.723	3,006.014

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

Initial Spares (<i>\$ in Millions</i>)	-	18.389	-	11.253	-	11.253	31.256	34.085	28.292	23.685	55.651	202.611
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	19.878	-	19.878	19.883	24.271	25.848	23.977	23.498	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	17.670	31.238	-	31.238	28.214	35.060	35.850	39.569	39.901	36.659

Description:

The MH-139A 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, and the program will procure a comprehensive Training System. The replacement aircraft will provide vertical airlift and support the requirements of four Air Force major commands and operating agencies: Air Force Global Strike Command (AFGSC), Air Force District of Washington, Air Education and Training Command, and Air Force Materiel 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. FY2023 RDT&E, AF funding continues to provide for live fire test and evaluation activities necessary to assess compliance with aircraft self-protection and survivability requirements. The MH-139A solution is expected to undergo operational test and evaluation beginning in Q2 FY24 to validate the aircraft's operational performance, effectiveness, and suitability.

This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D

Funding for this exhibit contained in PE 0102110F.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 / MH-139A

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost <i>(Each) / (\$ M)</i>					
P-5	MH-139A	P-5a, P-21	B		- / -	- / 194.016	8 / 141.360	5 / 156.192	- / -	5 / 156.192
P-40	Total Gross/Weapon System Cost				- / -	- / 194.016	8 / 141.360	5 / 156.192	- / -	5 / 156.192

*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 program will procure the low rate initial production lot of 5 aircraft in FY23 with associated initial spares, support equipment, site activation support, training, publications and technical data, and other program support cost activities.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: H0106O / MH-139A	Item Number / Title [DODIC]: MH-139A

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	8	5	-	5
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	194.016	141.360	156.192	-	156.192
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	194.016	141.360	156.192	-	156.192
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	194.016	141.360	156.192	-	156.192

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

Initial Spares <i>(\$ in Millions)</i>	-	18.389	0.000	11.253	-	11.253
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	17.670	31.238	-	31.238

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

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - MH-139 Cost																		
Recurring Cost																		
Airframe/Contractor Furnished Equipment ^(†)	-	-	-	-	-	126.390	17.135	8	137.080	17.135	5	85.676	-	-	-	17.135	5	85.676
Other Flyaway Costs	-	-	-	-	-	14.970	-	-	0.000	-	-	13.715	-	-	-	-	-	13.715
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	141.360	-	-	137.080	-	-	99.391	-	-	-	-	-	99.391
<i>Subtotal: Flyaway - MH-139 Cost</i>	-	-	-	-	-	141.360	-	-	137.080	-	-	99.391	-	-	-	-	-	99.391
Support - MH-139 Cost																		
Training	-	-	-	-	-	12.340	-	-	0.000	-	-	21.387	-	-	-	-	-	21.387
Data	-	-	-	-	-	2.902	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Support Equipment	-	-	-	-	-	10.823	-	-	4.280	-	-	7.556	-	-	-	-	-	7.556
Site Activation Support	-	-	-	-	-	16.670	-	-	0.000	-	-	7.569	-	-	-	-	-	7.569
Other Government Costs	-	-	-	-	-	9.921	-	-	0.000	-	-	11.296	-	-	-	-	-	11.296
Program Support Costs Contractor Services	-	-	-	-	-	0.000	-	-	0.000	-	-	8.993	-	-	-	-	-	8.993
<i>Subtotal: Support - MH-139 Cost</i>	-	-	-	-	-	52.656	-	-	4.280	-	-	56.801	-	-	-	-	-	56.801
Gross/Weapon System Cost	-	-	-	-	-	194.016	17.670	8	141.360	31.238	5	156.192	-	-	-	31.238	5	156.192

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: H0106O / MH-139A	Item Number / Title [DODIC]: MH-139A
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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/Contractor Furnished Equipment ^(†)		2022	Boeing / Ridley Park, PA	C / FFP	AFLCMC/WI - ISR & SOF	Sep 2023	Apr 2025	8	17.135	N	Jan 2023	Jul 2017
Airframe/Contractor Furnished Equipment ^(†)		2023	Boeing / Ridley Park, PA	C / FFP	AFLCMC/WI - ISR & SOF	Sep 2023	Nov 2025	5	17.135	N	Jan 2023	Jul 2017

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: H0106O / MH-139A	Item Number / Title [DODIC]: MH-139A
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025												Fiscal Year 2026												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026												
							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/Contractor Furnished Equipment																															
1		2022	AF	8	0	8	-	-	-	-	-	-	1	1	2	1	1	1	1											0	
1		2023	AF	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	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 2023 Air Force	Date: April 2022
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: H0106O / MH-139A	Item Number / Title [DODIC]: MH-139A
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	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 - Ridley Park, PA	2	8	16	0	12	26	38	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 2023 Air Force **Date:** April 2022

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): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0605229F

Line Item MDAP/MAIS Code: 479

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	22	19	14	10	-	10	-	-	-	-	-	65
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,394.033	938.309	743.921	707.018	-	707.018	310.920	42.095	0.000	0.000	0.000	4,136.296
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,394.033	938.309	743.921	707.018	-	707.018	310.920	42.095	0.000	0.000	0.000	4,136.296
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,394.033	938.309	743.921	707.018	-	707.018	310.920	42.095	0.000	0.000	0.000	4,136.296
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	90.494	76.937	159.691	-	159.691	-	-	-	117.136	-	444.258
Flyaway Unit Cost (<i>\$ in Millions</i>)	47.797	41.871	42.747	44.990	-	44.990	-	-	-	-	-	45.427
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	63.365	49.385	53.137	70.702	-	70.702	-	-	-	-	-	63.635

Description:

The Combat Rescue Helicopter (HH-60W) 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 HH-60W will be capable of employment day or night, in adverse weather, and across the full spectrum of threats to include chemical, biological, radiological, and nuclear. Onboard defensive capabilities will permit the HH-60W system to operate with less risk than legacy systems in an increased threat environment. An in-flight air refueling capability will provide an airborne alert capability and extend its combat mission range. The HH-60W system is capable of conducting combat search and rescue airborne mission commander duties. The aircraft will be self-supporting to the maximum extent practical. The HH-60W 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 HH-60W program received approval to enter Engineering and Manufacturing Development (EMD) in June 2014. Subsequently, the Air Force awarded an EMD contract to Lockheed Martin - Sikorsky Aircraft Company to develop and procure 113 HH-60W aircraft, training systems and associated support. The program is procuring four EMD aircraft, five System Demonstration Test Article (SDTA) aircraft and one modernization test aircraft. During production, the program plans to procure 65 aircraft throughout five lots. HH-60W achieved a Milestone C decision in Sep 19, authorizing Low Rate Initial Production (LRIP) Lots 1-4, to procure 55 aircraft with FY19-22 funds. Currently funding is available to procure 75 aircraft (includes 4 EMD, 5 SDTA, and 1 modernization test aircraft). Initial aircraft sustainment efforts will be provided by the contractor. HH-60W funding also supports Training Systems, Support Equipment, Initial Spares, Operation Site Activation, Depot Stand-Up, Direct Mission Support, Product Support Costs (PSC) activities, Other Government Costs (OGC), various studies and analysis, upgrades, future HH-60W planning activities, and resolution of Diminishing Manufacturing Sources/Material Shortages (DMSMS) and/or obsolescence issues. DMSMS activities may include, but are not limited to, bridge buys, life of type buys, buys to protect production schedule, and engineering efforts for redesign.

The HH-60W program is acquiring a complete Training system to include motion and non-motion simulators, virtual reality/mixed reality trainers, 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 were procured with Aircraft Procurement, Air Force (APAF) BA4 funding in FY19, FY20, and FY21. Spare engines are included within the Initial Spares. Starting in FY21 Initial Spares were primarily procured with APAF BA 6 while some BA4 funding was required to fund initial spares for added OCO aircraft.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0605229F
Line Item MDAP/MAIS Code: 479		
<p>Procurement budget was added beginning in FY21 for an accelerated quantity buy profile, capability upgrades, in-line production and enhancement packages/installs. These efforts may include, but are not limited to, the following: Directional Infrared Countermeasures (DIRCM), Global Positioning Satellite Anti-Jammer (GPS AJ), Degraded Visual Environment (DVE) system, Video Data Link (VDL), Blue Force Tracker 2 (BFT2), Integrated Vehicle Health Monitoring System (IVHMS), Situational Awareness Data Link/Automatic Direction Finder Removal, Electro Optical/Infrared Tactical Overlay, Radio Frequency Jammer, Electronic Flight Bags, Automated Dependent Surveillance Broadcast - In Device, and Mobile User Objective System (MUOS).</p> <p>FY21 funding totals include 174M appropriated for Overseas Contingency Operations. The Air Force will complete the HH-60W procurement with 10 additional aircraft in FY23, bringing the total quantity to 75 for that weapon system.</p> <p>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.</p> <p>This requirement (or modification) supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0605229F

Line Item MDAP/MAIS Code: 479

Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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	A		22 / 1,394.033	19 / 938.309	14 / 743.921	10 / 707.018	- / -	10 / 707.018
P-40	Total Gross/Weapon System Cost				22 / 1,394.033	19 / 938.309	14 / 743.921	10 / 707.018	- / -	10 / 707.018

*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:
 FY23 funding will procure 10 Aircraft, support equipment and spares for all remaining bases, depot-stand up activity, site activation support, initial spares, training, upgrades, enhancement packages, other program support costs, and resolution of Diminishing Manufacturing Sources/material Shortages (DMSMS) and/or obsolescence issues. DMSMS activities may include, but are not limited to, bridge buys, life of type buys, buys to protect production schedule, and engineering efforts for redesign.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force **Date:** April 2022

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

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (Units in Each)	22	19	14	10	-	10
Gross/Weapon System Cost (\$ in Millions)	1,394.033	938.309	743.921	707.018	-	707.018
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,394.033	938.309	743.921	707.018	-	707.018
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,394.033	938.309	743.921	707.018	-	707.018

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

Initial Spares (\$ in Millions)	0.000	90.494	76.937	159.691	-	159.691
Gross/Weapon System Unit Cost (\$ in Millions)	63.365	49.385	53.137	70.702	-	70.702

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

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - HH-60W Cost																		
Recurring Cost																		
Airframe / CFE ^(†)	41.347	22	909.635	37.348	19	709.612	37.881	14	530.334	38.245	10	382.450	-	-	-	38.245	10	382.450
Other Flyaway Costs	-	-	141.892	-	-	85.935	-	-	68.122	-	-	67.450	-	-	-	-	-	67.450
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>1,051.527</i>	<i>-</i>	<i>-</i>	<i>795.547</i>	<i>-</i>	<i>-</i>	<i>598.456</i>	<i>-</i>	<i>-</i>	<i>449.900</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>449.900</i>
<i>Subtotal: Flyaway - HH-60W Cost</i>	<i>-</i>	<i>-</i>	<i>1,051.527</i>	<i>-</i>	<i>-</i>	<i>795.547</i>	<i>-</i>	<i>-</i>	<i>598.456</i>	<i>-</i>	<i>-</i>	<i>449.900</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>449.900</i>
Support - HH-60W Cost																		
Support Equipment	-	-	25.618	-	-	2.242	-	-	15.000	-	-	23.545	-	-	-	-	-	23.545
Training	-	-	108.474	-	-	24.656	-	-	35.001	-	-	72.756	-	-	-	-	-	72.756
Site Activation	-	-	24.840	-	-	34.323	-	-	32.250	-	-	56.481	-	-	-	-	-	56.481
Initial Spares	-	-	162.912	-	-	4.899	-	-	-	-	-	-	-	-	-	-	-	-
Initial Spares for OCO aircraft	-	-	-	-	-	49.230	-	-	-	-	-	-	-	-	-	-	-	-
Program Support Costs (PSC) Contractor Services	-	-	11.000	-	-	11.730	-	-	12.000	-	-	16.934	-	-	-	-	-	16.934
Program Support Costs (PSC) Other Government Costs	-	-	6.766	-	-	3.232	-	-	1.535	-	-	4.666	-	-	-	-	-	4.666
Other Government Costs	-	-	2.896	-	-	9.790	-	-	8.416	-	-	-	-	-	-	-	-	-
Depot Standup	-	-	-	-	-	-	-	-	-	-	-	5.778	-	-	-	-	-	5.778
Obsolescence	-	-	-	-	-	2.660	-	-	41.263	-	-	76.958	-	-	-	-	-	76.958

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Exhibit P-5, Cost Analysis: PB 2023 Air Force												Date: April 2022					
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) : 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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - HH-60W Cost</i>	-	-	342.506	-	-	142.762	-	-	145.465	-	-	257.118	-	-	-	-	-	257.118
Gross/Weapon System Cost	63.365	22	1,394.033	49.385	19	938.309	53.137	14	743.921	70.702	10	707.018	-	-	-	70.702	10	707.018

Remarks:

Other Government Costs includes defensive systems and product support.
 Depot Standup funding will primarily be used for required gap analysis to take place prior to depot activation.

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

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Exhibit P-5a, Procurement History and Planning: PB 2023 Air Force **Date:** April 2022

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	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 ^(†)		2019	Sikorsky Aircraft / Stratford, CT	SS / FPIF	AFLCMC/WI - ISR & SOF	Sep 2019	Jun 2021	10	41.245	Y		Mar 2012 ⁽¹⁾
Airframe / CFE ^(†)		2020	Sikorsky Aircraft / Stratford, CT	SS / FPIF	AFLCMC/WI - ISR & SOF	Feb 2020	Jun 2022	12	41.432	Y		Mar 2012
Airframe / CFE ^(†)		2021	Sikorsky Aircraft / Stratford, CT	SS / FFP	AFLCMC/WI - ISR & SOF	Jul 2021	Jun 2023	19	37.348	Y		Mar 2012
Airframe / CFE ^(†)		2022	Sikorsky Aircraft / Stratford, CT	SS / FFP	AFLCMC/WI - ISR & SOF	Feb 2022	May 2024	14	37.881	Y		Mar 2012
Airframe / CFE ^(†)		2023	Sikorsky Aircraft / Stratford, CT	SS / FFP	AFLCMC/WI - ISR & SOF	Dec 2022	Jun 2025	10	38.245	Y		Mar 2012

^(†) indicates the presence of a P-21

Footnotes:

⁽¹⁾ All lots are contract options covered under the same contract (RFP 9 Mar 12, Award 26 Jun 14). Each lot is exercised individually.

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

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 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					
Airframe / CFE																																			
1		2019	AF	10	0	10	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1	2	1	-	1	1	1					0		
1		2020	AF	12	0	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	8	
1		2021	AF	19	0	19											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19		
1		2022	AF	14	0	14																											14		
1		2023	AF	10	0	10																											10		

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

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 2023												Fiscal Year 2024												BALANCE	
O C C #	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
Airframe / CFE																															
1		2019	AF	10	10	0																							0		
1		2020	AF	12	4	8	1	2	2	1	1	1																	0		
1		2021	AF	19	0	19	-	-	-	-	-	-	-	2	1	2	2	1	2	1	2	2	1	2	1				0		
1		2022	AF	14	0	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	1	9		
1		2023	AF	10	0	10			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10			

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

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 2025														Fiscal Year 2026														BALANCE
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							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																																			
1		2019	AF		10	10	0																							0					
1		2020	AF		12	12	0																							0					
1		2021	AF		19	19	0																							0					
1		2022	AF		14	5	9	1	1	1	1	1	2	1	1															0					
1		2023	AF		10	0	10	-	-	-	-	-	-	-	-	2	1	2	2	2	2	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 2023 Air Force **Date:** April 2022

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 2023	1-8-5 For 2023	MAX For 2023	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	10	10	10	0	3	30	33	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 2023 Air Force **Date:** April 2022

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 Osprey

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	2	-	-	-	-	-	-	-	-	-	2
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	206.220	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	206.220
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	206.220	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	206.220
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	206.220	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	206.220

(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>)	-	103.110	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	103.110	-	-	-	-	-	-	-	-	-	103.110

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.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 Osprey

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)					
P-5	CV-22 Osprey	P-5a, P-21	A		- / -	2 / 206.220	- / 0.000	- / 0.000	- / -	- / 0.000
P-40	Total Gross/Weapon System Cost				- / -	2 / 206.220	- / 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 FY 2023 funding requested.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: V022A0 / CV-22 Osprey	Item Number / Title [DODIC]: CV-22 Osprey

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

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (<i>Units in Each</i>)	-	2	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	206.220	0.000	0.000	-	0.000
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	206.220	0.000	0.000	-	0.000
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	206.220	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>)	-	103.110	-	-	-	-

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

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 ^(†)	-	-	-	84.024	2	168.047	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Engines/Accessories	-	-	-	2.208	4	8.833	-	-	-	-	-	-	-	-	-	-	-	-
GFE	-	-	-	14.670	2	29.340	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	206.220	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	-	-	-	206.220	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Gross/Weapon System Cost	-	-	-	103.110	2	206.220	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: V022A0 / CV-22 Osprey	Item Number / Title [DODIC]: CV-22 Osprey
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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 ^(†)		2021	Bell Boeing / Ridley Park PA, Ft. Worth TX and Amarillo TX	SS / FPIF	NAVAIR	Mar 2021	Oct 2024	2	84.024	Y		Feb 2011

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

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

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 CFE																															
	1	2021	AF		2	0	2																								

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

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

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023														Fiscal Year 2024														BALANCE	
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					
Air Frame CFE																																			
	1	2021	AF		2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2						
								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 2023 Air Force **Date:** April 2022

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

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025												Fiscal Year 2026												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026												
							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																															
1		2021	AF		2	0	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 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 1	P-1 Line Item Number / Title: V022A0 / CV-22 Osprey	Item Number / Title [DODIC]: CV-22 Osprey
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2023	1-8-5 For 2023	MAX For 2023	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				0	0	0	0	0	0	6	43	49

"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 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 4: Mission Support 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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	11.200	11.400	2.952	-	2.952	3.004	3.059	3.111	3.178	-	37.904
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	11.200	11.400	2.952	-	2.952	3.004	3.059	3.111	3.178	-	37.904
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	11.200	11.400	2.952	-	2.952	3.004	3.059	3.111	3.178	-	37.904

(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 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:

FY23 funding of 2.861M funds the procurement of 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, appropriate training material, and/or additional associated mission equipment for use on Civil Air Patrol aircraft (e.g., full-motion video sensors, communication equipment, or other imaging systems).

The combination of aircraft make, model, or type (typically, but not limited to Cessna-172, Cessna-182, and Cessna-206, and glider aircraft) procured during execution are a continuing requirement, based on critical equipment needed to support evolving mission requirements, market availability, and budget changes due to mark-ups, or cost fluctuations.

AF central procurement processes are not applicable.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 4: Mission Support Aircraft		P-1 Line Item Number / Title: CAPAC0 / Civil Air Patrol A/C
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		
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 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	64	22	27	-	27	30	28	28	28	-	227
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	133.273	112.443	128.906	-	128.906	134.351	137.010	139.343	142.362	-	927.688
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	133.273	112.443	128.906	-	128.906	134.351	137.010	139.343	142.362	-	927.688
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	133.273	112.443	128.906	-	128.906	134.351	137.010	139.343	142.362	-	927.688

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

Initial Spares (<i>\$ in Millions</i>)	-	0.600	0.600	0.401	-	0.401	-	-	-	-	-	1.601
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	2.082	5.111	4.774	-	4.774	4.478	4.893	4.977	5.084	-	4.087

Description:

Full-scale Aerial Targets (FSAT) and Subscale Aerial Targets (SSAT) 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, F-15, among other 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 funding for the procurement of Air Force Subscale Aerial Targets (BQM-167A - AFSAT), Full-scale Aerial Targets (QF-16 - FSAT), Target Control System (TCS), Target Control System (TCS), scoring systems, and includes modernization of mission/support equipment through tech refresh. The TCS program ensures software interoperability among service ranges, the encryption of range/aircraft data links, and associated communication devices. Funding also provides for capabilities to meet current and future threats. Funding may be utilized for analysis and presentation of evolving threat scenarios and target area environments related to emerging threats. Funds may be used to requalify production lines, or qualify new ones, as needed. Funds support procurement of hardware and software to support the fielding of new Target Control System to support the gaps identified by ACC in order to enable realistic emulation of 5th and 6th generation enemy threats. Aerial targets and associated systems are required for congressionally mandated testing and Air Force developmental and operational testing. Air Force is the designated executive agent for full-scale aerial targets. The Navy is the lead service for subscale aerial targets.

This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

Funding may be used to address production Diminishing Manufacturing Sources and Material Shortages (DMSMS)/Obsolescence issues through studies, bridge buys, life of type buys, supplier/parts replacement and qualification activities to preserve future production capabilities and capacities.

Funding for this exhibit contained in PE 0305116F.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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	835160 AFSAT	P-5a, P-21	A		- / -	60 / 65.760	10 / 18.888	17 / 26.262	- / -	17 / 26.262
P-5	QF-16	P-5a, P-21	A		- / -	4 / 67.513	12 / 93.555	10 / 102.644	- / -	10 / 102.644
P-40	Total Gross/Weapon System Cost				- / -	64 / 133.273	22 / 112.443	27 / 128.906	- / -	27 / 128.906

*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:
 FY23 AFSAT funds will be used to procure 17 USAF production assets, support equipment, sustaining, production and diminishing manufacturing engineering support.
 FY23 QF-16 funds will be used to procure 10 USAF production assets, support equipment, sustaining, production and diminishing manufacturing engineering support.
 Note: Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S. Code Section 2308 BUY-TO-BUDGET ACQUISITION.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: 10TRGT / Target Drones	Item Number / Title [DODIC]: 835160 AFSAT

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (Units in Each)	-	60	10	17	-	17
Gross/Weapon System Cost (\$ in Millions)	-	65.760	18.888	26.262	-	26.262
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	65.760	18.888	26.262	-	26.262
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	65.760	18.888	26.262	-	26.262

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

Initial Spares (\$ in Millions)	-	0.600	0.600	0.401	-	0.401
Gross/Weapon System Unit Cost (\$ in Millions)	-	1.096	1.889	1.545	-	1.545

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

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 ⁽¹⁾	-	-	-	1.020	60	61.184	1.650	10	16.502	1.358	17	23.093	-	-	-	1.358	17	23.093
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	61.184	-	-	16.502	-	-	23.093	-	-	-	-	-	23.093
<i>Subtotal: Flyaway - AFSAT Cost</i>	-	-	-	-	-	61.184	-	-	16.502	-	-	23.093	-	-	-	-	-	23.093
Logistics - AFSAT Cost																		
Recurring Cost																		
Production Support	-	-	-	-	-	1.826	-	-	0.474	-	-	1.173	-	-	-	-	-	1.173
Government Support	-	-	-	-	-	0.516	-	-	0.786	-	-	0.841	-	-	-	-	-	0.841
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	2.342	-	-	1.260	-	-	2.014	-	-	-	-	-	2.014
<i>Subtotal: Logistics - AFSAT Cost</i>	-	-	-	-	-	2.342	-	-	1.260	-	-	2.014	-	-	-	-	-	2.014
Support - AFSAT Cost																		
Program Support Costs (PSC) Contractor Services	-	-	-	-	-	2.214	-	-	1.047	-	-	1.075	-	-	-	-	-	1.075
PSC Other Government Costs	-	-	-	-	-	0.020	-	-	0.079	-	-	0.080	-	-	-	-	-	0.080
<i>Subtotal: Support - AFSAT Cost</i>	-	-	-	-	-	2.234	-	-	1.126	-	-	1.155	-	-	-	-	-	1.155
Gross/Weapon System Cost	-	-	-	1.096	60	65.760	1.889	10	18.888	1.545	17	26.262	-	-	-	1.545	17	26.262

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: 10TRGT / Target Drones	Item Number / Title [DODIC]: 835160 AFSAT
ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:	
^(†) indicates the presence of a P-5a		

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Exhibit P-5a, Procurement History and Planning: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: 10TRGT / Target Drones	Item Number / Title [DODIC]: 835160 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 ^(†)		2021	Kratos, Unmanned Aerial Systems (UAS) / Sacramento, CA	SS / FFP	Eglin AFB	Aug 2021	Sep 2022	60	1.020	Y		Mar 2020
BQM-167 Production Article ^(†)		2022	Kratos, Unmanned Aerial Systems (UAS) / Sacramento, CA	SS / FFP	Eglin AFB	Oct 2021	Mar 2023	10	1.650	Y		Mar 2020
BQM-167 Production Article ^(†)		2023	Kratos, Unmanned Aerial Systems (UAS) / Sacramento, CA	SS / FFP	Eglin AFB	Feb 2023	Mar 2024	17	1.358	Y		Mar 2020

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: 10TRGT / Target Drones	Item Number / Title [DODIC]: 835160 AFSAT
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C C #	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
BQM-167 Production Article																															
1		2021	AF	60	5	55	5	5	5	5	5	2	2	3	3	3	3	3	3	3	2	2	2	2					0		
1		2022	AF	10	0	10	-	-	-	-	-	1	1	1	1	1	1	1	-	1	1	1							0		
1		2023	AF	17	0	17					A	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	1	1	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 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: 10TRGT / Target Drones	Item Number / Title [DODIC]: 835160 AFSAT
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	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	Kratos, Unmanned Aerial Systems (UAS) - Sacramento, CA	10	41	60	0	0	0	0	12	5	13	18

"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 2023 Air Force		Date: April 2022
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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (Units in Each)	-	4	12	10	-	10
Gross/Weapon System Cost (\$ in Millions)	-	67.513	93.555	102.644	-	102.644
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	67.513	93.555	102.644	-	102.644
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	67.513	93.555	102.644	-	102.644

(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)	-	16.878	7.796	10.264	-	10.264

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

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 ^(†)	-	-	-	3.891	4	15.563	2.843	12	34.119	3.838	10	38.381	-	-	-	3.838	10	38.381
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	15.563	-	-	34.119	-	-	38.381	-	-	-	-	-	38.381
Non Recurring Cost																		
Aircraft Vehicle Regeneration	-	-	-	-	-	21.093	-	-	26.647	-	-	23.565	-	-	-	-	-	23.565
Engine Regeneration	-	-	-	-	-	6.700	-	-	13.125	-	-	10.527	-	-	-	-	-	10.527
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	27.793	-	-	39.772	-	-	34.092	-	-	-	-	-	34.092
<i>Subtotal: Flyaway - QF-16 Cost</i>	-	-	-	-	-	43.356	-	-	73.891	-	-	72.473	-	-	-	-	-	72.473
Hardware - QF-16 Cost																		
Recurring Cost																		
Storage/Shipment	-	-	-	-	-	0.195	-	-	0.105	-	-	0.108	-	-	-	-	-	0.108
GFP Support	-	-	-	-	-	10.917	-	-	15.227	-	-	18.300	-	-	-	-	-	18.300
Other Support	-	-	-	-	-	4.786	-	-	1.905	-	-	5.824	-	-	-	-	-	5.824
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	15.898	-	-	17.237	-	-	24.232	-	-	-	-	-	24.232
<i>Subtotal: Hardware - QF-16 Cost</i>	-	-	-	-	-	15.898	-	-	17.237	-	-	24.232	-	-	-	-	-	24.232
Logistics - QF-16 Cost																		
Recurring Cost																		

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Exhibit P-5, Cost Analysis: PB 2023 Air Force												Date: April 2022					
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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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	-	-	-	-	-	0.000	-	-	0.261	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.261	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Logistics - QF-16 Cost</i>	-	-	-	-	-	0.000	-	-	0.261	-	-	0.000	-	-	-	-	-	0.000
Support - QF-16 Cost																		
Program Support Costs (PSC) Contractor Services	-	-	-	-	-	2.592	-	-	1.566	-	-	2.770	-	-	-	-	-	2.770
PSC Other Government Costs	-	-	-	-	-	5.667	-	-	0.600	-	-	3.169	-	-	-	-	-	3.169
<i>Subtotal: Support - QF-16 Cost</i>	-	-	-	-	-	8.259	-	-	2.166	-	-	5.939	-	-	-	-	-	5.939
Gross/Weapon System Cost	-	-	-	16.878	4	67.513	7.796	12	93.555	10.264	10	102.644	-	-	-	10.264	10	102.644

Remarks:
Unit price for follow-on production contract (Lots 6-8) is currently an estimate. The contract for Lots 1-5 reflects competitive pricing; follow-on production is sole-source.

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

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Exhibit P-5a, Procurement History and Planning: PB 2023 Air Force **Date:** April 2022

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 ^(†)		2021	The Boeing Company / St Louis MO	SS / FPIF	Eglin AFB	Oct 2022	Aug 2023	4	3.891	Y		Jan 2021
QF-16 Drone Peculiar Equipment ^(†)		2022	The Boeing Company / St Louis MO	SS / FPIF	Eglin AFB	Jul 2022	Aug 2023	12	2.843	Y		Jan 2021
QF-16 Drone Peculiar Equipment ^(†)		2023	The Boeing Company / St Louis MO	SS / FPIF	Eglin AFB	Oct 2022	Aug 2024	10	3.838	Y		Jan 2021

^(†) indicates the presence of a P-21

Remarks:
 PRODUCTION CONTRACT:
 Lots 6-8 production contract (base year plus 2 option years)

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

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 2024												Fiscal Year 2025												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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	2021	AF	4	2	2	1	1																					0		
	1	2022	AF	12	2	10	1	1	1	1	1	1	1	1	1														0		
	1	2023	AF	10	0	10	-	-	-	-	-	-	-	-	-	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 2023 Air Force **Date:** April 2022

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 2023	1-8-5 For 2023	MAX For 2023	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	15	24	0	0	0	0	0	2	1	22	23

"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 2023 Air Force **Date:** April 2022

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
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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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	159.867	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	159.867
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	159.867	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	159.867
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	159.867	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	159.867

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

Initial Spares (<i>\$ in Millions</i>)	-	10.985	65.624	1.982	-	1.982	-	-	-	-	-	78.591
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Compass Call is the Air Force's wide-area, standoff, Airborne Electromagnetic Attack (AEA) Command and Control Warfare/Information Operations (C2W/IO) weapon system. The employment of this weapon system interrupts the adversary's use of the electromagnetic battlespace and is a key active component in the information battlespace and prosecution of Overseas Contingency Operations (OCO). Compass Call's sophisticated electromagnetic attack system is capable of surgical denial and/or disruption of adversary Radio Frequency (RF) communications, radar and sensor systems. Procurement funds are required for aircraft purchase, modification kit production (hardware, firmware, and software), installation, certification and test on an EC-37B re-host platform in accordance with the Baseline upgrade schedule.

The current Compass Call program of record as of end Q2 FY2022 includes the following resources: seven (7) Primary Mission Aircraft Inventory (PMAI), Combat Support coded (CA) EC-130H aircraft, one (1) Backup Aircraft Inventory (BAI), Training coded (TF) TC-130H trainer aircraft, one (1) EC-130H Weapon System Trainer (WST, flight deck simulator), and two (2) Compass Call Mission Crew Simulators (CCMCS). Seven (7) EC-130H aircraft have been divested between FY2018 and FY2022. On (1) EC-130H aircraft will retire in Q4 FY2023. One (1) more EC-130H is due to retire in Q1 FY2024. Due to the age of the EC-130H fleet (average is 47 years) the re-hosting of the Prime Mission Equipment (PME) is crucial to ensuring the survival of this critical capability.

On 23 March 2016, a Doctrine, Organization, Training, materiel, Leadership & Education, Personnel, Facilities (DOTmLPF) Change Recommendation (DCR) was approved. This requirement drives the re-hosting of Compass Call PME from the EC-130H to a modern, more cost-effective, survivable and operationally suitable commercial derivative aircraft which meets the range, speed, endurance and operating altitude needs of the combatant commands in an Anti-Access/Area Denial (A2AD) environment. As a result, in FY2017, the Compass Call re-host program was initiated to begin the transition to the EC-37B platform. The re-hosted Compass Call platform is based on a commercially-available modified G550 aircraft that already holds Federal Aviation Administration (FAA) Supplemental Type Certificates (STCs) for airworthiness. The platform will undergo modifications to host Compass Call's PME and antenna arrays and receive additional STCs and Military Type Certificates (MTCs). The EC-37B aircraft utilize PME harvested from the EC-130H aircraft and upgraded to the latest Baseline. The EC-37B program is highly concurrent with developmental and procurement activities occurring in parallel.

Transitioning to the re-host effort, the program of record has procured six (6) new commercial derivative aircraft to date. As part of the FY2023 President's Budget, EC-37B total procurement has been reduced from ten (10) to six (6) aircraft. The first five (5) EC-37B aircraft procured in FY2017-FY2020 will be configured with Baseline 3 (BL3) PME. The sixth and final EC-37B aircraft was procured in FY2021 and will be the first Baseline 4 (BL4) configured EC-37B aircraft. The BL3 aircraft will be modified to the BL4 configuration starting in FY2026.

Modification efforts for the re-hosted aircraft are performed under the Aircraft Procurement, Air Force appropriation, Budget Activity (BA) 05, Budget Sub Activity 5, under P-1 Line Item Number: CALL00/COMPASS CALL Mods. Procurement of the air vehicles for re-host were performed under this line item Aircraft Procurement, Air Force appropriation, BA 04, Budget Sub Activity 05 under P-1 Line Item Number: CALL00/COMPASS CALL.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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
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 (AESG). Funding for this exhibit is contained in PE 0207253F.

Justification:
The FY2023 budget request does not support procurement of additional commercial modifiable aircraft or any associated support activities. The Air Force has halted production at 6x EC-37B aircraft.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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: E011A1 / E-11 BACN/HAG
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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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	2	1	-	1	1	1	-	-	-	5
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	63.419	124.435	67.260	-	67.260	6.172	5.985	6.084	6.216	-	279.571
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	63.419	124.435	67.260	-	67.260	6.172	5.985	6.084	6.216	-	279.571
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	63.419	124.435	67.260	-	67.260	6.172	5.985	6.084	6.216	-	279.571

(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>)	-	-	62.218	67.260	-	67.260	6.172	5.985	-	-	-	55.914

Description:

Battlefield Airborne Communications Node (BACN) provides a Combatant Commander (CCDR) flexible, long-endurance, responsive airborne communications capability. BACN provides a dedicated airborne capability to conduct voice bridging/translation, Tactical Data Link (TDL) gateway, and TDL relay functions for beyond-line-of-sight (BLOS) data communications for the war fighter.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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: E011A1 / E-11 BACN/HAG
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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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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	E-11 BACN/HAG	P-5a, P-21	A		- / -	- / 63.419	2 / 124.435	1 / 67.260	- / -	1 / 67.260
P-40	Total Gross/Weapon System Cost				- / -	- / 63.419	2 / 124.435	1 / 67.260	- / -	1 / 67.260

*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:
 Funding will continue to support Combatant Commander requirements specifically procurement of Qty 1 new BACN aircraft in FY23 to increase the current BACN fleet and Department of the Air Force force offering. FY23 procurement includes host platform aircraft as well as the purchase/integration of BACN payload capability, emerging capabilities, and Supplemental Type Certs (STC) and any related provisioning supplies. This funding also procures associated systems and provides initial maintenance and sustainment support as well as any associated program support costs as required. Additionally this funding procures initial ancillaries in FY23 necessary to begin High Capacity Backbone (HCB) procurements required for E-11A & KC-135 integration in order to provide high-bandwidth, multi-level security connectivity for ABMS/ JADC.

 Funding for this exhibit contained in PE 0207238F (E-11A); as well PE 0207448F (first iteration HCB procurements for integration into E-11A & KC-135 aircraft).

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: E011A1 / E-11 BACN/HAG	Item Number / Title [DODIC]: E-11 BACN/HAG

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (Units in Each)	-	-	2	1	-	1
Gross/Weapon System Cost (\$ in Millions)	-	63.419	124.435	67.260	-	67.260
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	63.419	124.435	67.260	-	67.260
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	63.419	124.435	67.260	-	67.260

(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)	-	-	62.218	67.260	-	67.260

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

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - E-11 BACN/HAG Cost																		
Recurring Cost																		
HCB ^(†)	-	-	-	-	-	-	-	-	-	0.413	1	0.413	-	-	-	0.413	1	0.413
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.413	-	-	-	-	-	0.413
<i>Subtotal: Hardware - E-11 BACN/HAG Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.413	-	-	-	-	-	0.413
Vehicles - BACN Aircraft Cost																		
Recurring Cost																		
80100 ^(†)	-	-	-	63.419	1	63.419	62.218	2	124.435	66.847	1	66.847	-	-	-	66.847	1	66.847
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	63.419	-	-	124.435	-	-	66.847	-	-	-	-	-	66.847
<i>Subtotal: Vehicles - BACN Aircraft Cost</i>	-	-	-	-	-	63.419	-	-	124.435	-	-	66.847	-	-	-	-	-	66.847
Gross/Weapon System Cost	-	-	-	-	-	63.419	62.218	2	124.435	67.260	1	67.260	-	-	-	67.260	1	67.260

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: E011A1 / E-11 BACN/HAG	Item Number / Title [DODIC]: E-11 BACN/HAG
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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
HCB		2023	TBD / TBD	TBD	AFLCMC Hanscom AFB	Dec 2022	May 2023	1	0.413	Y		
80100 ^(†)		2021	Learjet/Bombardier / Wichita, KS	SS / IDIQ	AFLCMC Hanscom AFB	Jun 2021	Nov 2022	1	63.419	Y		
80100 ^(†)		2022	Learjet/Bombardier / Wichita, KS	SS / IDIQ	AFLCMC Hanscom AFB	Nov 2021	Feb 2023	2	62.218	Y		
80100 ^(†)		2023	Learjet/Bombardier / Wichita, KS	SS / IDIQ	AFLCMC Hanscom AFB	Apr 2023	Oct 2023	1	66.847	Y		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** E011A1 / E-11 BACN/HAG **Item Number / Title [DODIC]:** E-11 BACN/HAG

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C C #	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
80100																															
	1	2021	AF	1	0	1	-	1																					0		
	1	2022	AF	2	0	2	-	-	-	-	2																		0		
	1	2023	AF	1	0	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 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: E011A1 / E-11 BACN/HAG	Item Number / Title [DODIC]: E-11 BACN/HAG
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2023	1-8-5 For 2023	MAX For 2023	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	Learjet/Bombardier - Wichita, KS	1	1	1	0	0	0	0	0	1	7	6	13

"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 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	16	4	-	-	-	-	-	-	-	-	20
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	338.120	92.267	17.039	-	17.039	0.000	0.000	0.000	0.000	0.000	447.426
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	338.120	92.267	17.039	-	17.039	0.000	0.000	0.000	0.000	0.000	447.426
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	338.120	92.267	17.039	-	17.039	0.000	0.000	0.000	0.000	0.000	447.426

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

Initial Spares (<i>\$ in Millions</i>)	-	47.396	28.180	14.780	-	14.780	-	-	-	-	-	90.356
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	19.502	22.245	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	21.133	23.067	-	-	-	-	-	-	-	-	22.371

Description:

FY21 funding totals include 343.6M appropriated for OCO.

FY22 funding totals include 0.0M appropriated for OCO.

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, 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 GCS 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. Production cut-ins will continue to support user requirements.

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 altitudes for long endurance sorties. The aircraft is primarily designed for 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 employs fused multi-spectral sensors to find, fix, and track ground targets and assess post-strike results using Automatic Target Cueing (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 the system's 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 with MQ-9 system capabilities, Concept of Operations (CONOPS), and the missions they perform. Upgrades include new LINUX processors, high definition monitors, and ergonomic improvements. Future planned upgrades include integrating improved human-machine interfaces, open systems architecture, and improved crew habitability.

The Air Force established the MQ-9 Multi-Domain Operation (M2DO) aircraft configuration which consisted of multiple projects intended to keep the platform viable in the wide-spectrum of armed conflict. The configuration included Anti-Jam Global Positioning System, Enhanced Power, Link 16, Open Mission System/Stellar Relay, Signal Excision, Digital Spread Spectrum Signal, Enhanced Line of Site, Enhanced

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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>Auto-Takeoff and Landing, Enhanced Autonomy (including Intelligence Electronic Units). The number of M2DO aircraft, and final capabilities within this configuration, are subject to change as requirements evolve.</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>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), Raytheon Company for the DAS-4 EO/IR sensor, and L3 Communications for the operator simulator and satellite communication (SATCOM) infrastructure components.</p> <p>The Air Force continues to evaluate options to reduce lifecycle costs for the EO/IR sensor for the MQ-9A platform which could include dual sourcing an alternative material EO/IR solution.</p> <p>This program has associated Research Development Test and Evaluation Air Force (AF) funding in Program Element (PE) 0205219F MQ-9 Reaper UAV.</p> <p>Funding for this exhibit is contained in PE 0205219F.</p> <p>Funding may be used for MQ-9 Bridge or Life Of Type Buys (LOTB) to address enterprise and production DMS (Diminishing Manufacturing Sources) issues. The LOTB requirement may include quantities beyond established production levels, as risk mitigation to prevent high cost Non-Recurring Engineering (NRE) if further MQ-9 production orders are directed in the outyears.</p> <p>This requirement (or modification) supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost <i>(Each) / (\$ M)</i>					
P-5	MQ-9		A		- / -	16 / 338.120	4 / 92.267	- / 17.039	- / -	- / 17.039
P-40	Total Gross/Weapon System Cost				- / -	16 / 338.120	4 / 92.267	- / 17.039	- / -	- / 17.039

*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. Production Line Shutdown - FY23 funding will be used for production line shutdown activities.
 B. OGC - FY23 funding procures various other government costs.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
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:
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Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (Units in Each)	-	16	4	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	338.120	92.267	17.039	-	17.039
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	338.120	92.267	17.039	-	17.039
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	338.120	92.267	17.039	-	17.039

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

Initial Spares (\$ in Millions)	-	47.396	28.180	14.780	-	14.780
Gross/Weapon System Unit Cost (\$ in Millions)	-	21.133	23.067	-	-	-

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

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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	-	-	-	18.939	16	303.030	22.245	4	88.979	-	-	0.000	-	-	-	-	-	0.000
Production Support	-	-	-	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Fixed Ground Control Station and GFE	-	-	-	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Predator Primary Satellite Link (PPSL)	-	-	-	-	-	9.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	312.030	-	-	88.979	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	-	-	-	312.030	-	-	88.979	-	-	0.000	-	-	-	-	-	0.000
Support - Support End Item Cost																		
Other Government Costs (OGC)	-	-	-	-	-	5.300	-	-	0.000	-	-	7.012	-	-	-	-	-	7.012
Support Equipment	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
Training Device/Simulator	-	-	-	-	-	7.800	-	-	-	-	-	-	-	-	-	-	-	-
Production Shutdown	-	-	-	-	-	0.000	-	-	0.000	-	-	10.027	-	-	-	-	-	10.027
DMS	-	-	-	-	-	12.990	-	-	3.288	-	-	-	-	-	-	-	-	-
MQ-9 ECP's	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	26.090	-	-	3.288	-	-	17.039	-	-	-	-	-	17.039
Gross/Weapon System Cost	-	-	-	21.133	16	338.120	23.067	4	92.267	-	-	17.039	-	-	-	-	-	17.039

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
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:	
Remarks: The minimum order quantity established on the Agile Reaper Enterprise Solution Indefinite Delivery Indefinite Quantity contract for MQ-9 is 4 aircraft. The economic order quantity is 16 aircraft; order quantities below the economic order quantity result in increased unit costs. 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. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.		

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	20	-	-	-	-	-	-	-	-	-	20
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	13.770	0.000	0.000	-	0.000	0.000	11.182	11.364	11.610	-	47.926
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	13.770	0.000	0.000	-	0.000	0.000	11.182	11.364	11.610	-	47.926
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	13.770	0.000	0.000	-	0.000	0.000	11.182	11.364	11.610	-	47.926

(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>)	-	0.689	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	0.689	-	-	-	-	-	-	-	-	-	2.396

Description:

FY21 funding totals include 13.77M requested for Overseas Contingency Operations.

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.

Funding for this exhibit contained in PE 0207588F.

Justification:

No FY23 funding requested.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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: V0AP00 / V0AP00 - Agility Prime
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ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0604858F	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	5	-	5	-	-	-	-	-	5
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	0.000	3.612	-	3.612	0.000	0.000	0.000	0.000	-	3.612
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	0.000	3.612	-	3.612	0.000	0.000	0.000	0.000	-	3.612
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	0.000	3.612	-	3.612	0.000	0.000	0.000	0.000	-	3.612

(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>)	-	-	-	0.722	-	0.722	-	-	-	-	-	0.722

Description:

AFWERX Prime is a new acquisition approach that uses government-specific resources to reduce risk in emerging technology markets while partnering with investors, industry, interagency, and international partners for accelerated, affordable, and agile commercial and military capability. These Prime efforts are led by a Chief Commercialization Officer whose key responsibility is to accelerate technology commercialization for fielding of military capability. Agility Prime is the first effort within the AFWERX Prime line of effort.

Agility Prime receives monthly flight test reports from the participating companies. Agility Prime also has an in-depth engineering analysis of each airframe by subsystem which was accomplished as part of the military airworthiness review of each aircraft. Over 200 hours of flight test data has been delivered to the government to date. USAF pilots have flown two different aircraft in the program, one remotely (un-crewed aircraft) and one on-board as a crewed aircraft.

Agility Prime is the first effort in the series and will provide research, development, testing, and evaluation to field transformative vertical flight technology in 2023. These systems may incorporate non-traditional electric or hybrid propulsion for crewed or optionally crewed missions with onboard, remote, or autonomous control. Agility Prime will leverage commercial investment in technologies that support mobility and sustainment in benign or contested environments to enable agile, lower-cost distributed logistics, humanitarian operations, or disaster response operations. Initial use of these aircraft will be as range support assets as well as vehicles to identify further military applications for this technology.

Current Areas of Interest (AOIs) being pursued for procurement are AOIs 1 and 2. The AOIs define vehicle capabilities. AOI 1 is defined by a payload of 3-8 personnel with a range greater than 100 miles, a speed greater than 100 mph, and an endurance greater than 1 hour. AOI 2 is defined by a payload of 1-2 personnel with a range greater than 10 miles, a speed greater than 40 mph, and an endurance greater than 15 minutes. AOI 3 (not being pursued in FY23) is designed to carry cargo (greater than 500 lbs) with a range of greater than 200 miles, a speed greater than 100 mph, and an endurance of greater than 100 minutes.

In FY 2023, Agility Prime procurement is a new start.

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

Funding for this exhibit is contained in PE 0604858F.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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: V0AP00 / V0AP00 - Agility Prime
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0604858F	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

Justification:
This program is a new start.

FY23 procurement funding purchases 5 air vehicles through Agility Prime along with requisite spares and associated costs for use within CONUS providing initial operational capability.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	818.307	1,007.068	623.661	-	623.661	993.551	1,011.971	722.090	776.656	0.000	5,953.304
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	818.307	1,007.068	623.661	-	623.661	993.551	1,011.971	722.090	776.656	0.000	5,953.304
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	818.307	1,007.068	623.661	-	623.661	993.551	1,011.971	722.090	776.656	0.000	5,953.304

(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 2021 funding totals include 22.950 requested for Overseas Contingency Operations.
 FY 2022 funding totals include 30.800 requested for Direct War and/or Enduring Requirements.

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
- AWACS UPGRADE, 277
- KC-46A, 387
- MQ-9 UAS Reaper, 424
- F-15 EPAWSS, 485
- CRH, 479
- CV-22, 212
- MH-139A, 562

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 2023 Air Force		Date: April 2022
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 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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			212 277 265 198 387 424	- / -	- / 818.307	- / 1,007.068	- / 623.661	- / 0.000	- / 623.661
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 818.307	- / 1,007.068	- / 623.661	- / -	- / 623.661

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:

A-10 Modernization Programs: FY23 funds are necessary to procure initial spares to support and maintain A-10 aircraft equipment modifications. Spares will include but is not limited to major sub-components such as Line Replacement Units, and other Time Compliance Technical Orders kit materials.

Aerial Targets: FY23 funds are required for spare parts for the Air Force Subscale Aerial Target (BQM-167A). Spares include initial replacement components, equipment and parts.

ASARS-2B/U-2 Mods: FY23 funds are required to procure initial spares for the Advanced Synthetic Aperture Radar System (ASARS)-2B.

Automated Test Systems: FY23 funds are required to procure initial spares for the ATS product group consisting of: Armament and Stores, Avionics, Electronic Warfare, Software Loader/Verifier and Built-in-Test, Radar and Identification Friend or Foe Specialized to include but not limited to initial spares for the Bomber Armament Tester (BAT) a nuclear certified common tester capable of testing on-aircraft Stores Management Systems and Line Replacement Units both on-and off-aircraft. The BAT System will test functionality of the Armament Mission Equipment (AME) that is required for B-2A, B-1B, and B-52H weapons

B-1: The Radio Crypto Compliance will provide next generation secure radios, uninterrupted LOS/BLOS secure force and cutting edge MUOS capability. FY23 funding will purchase off-the-shelf ARC-210 Gen 6 radios and ancillaries. Funding is required in order to procure the ARC-210 spares to ensure early, un-interrupted depot activation and supply chain continuity.

B-2: B-2 Display Modernization will address the fleet's top driver for degraded mission readiness, obsolescence and repair challenges in the existing displays subsystem. FY23 funding will purchase modernized displays for initial spares and War Readiness Spare Kits.

B-52: The GPS-IU provides an interface between the navigation, communications & weapons systems on-board the aircraft. B-52 VLF/LF provides the B-52 with a receive-only, very low frequency, secure, survivable strategic communications via a nuclear hardened terminal, antenna, and human-machine interface. B-52 Tactical Data Link will provide low latency, jam-resistant situational awareness and command/control needed to support in-theater operations/missions via a Line-of-Sight (LOS) Link 16 capability. FY23 funding will be utilized to procure required initial spares for these programs to support initial fielding.

C-17: FY23 funding request to procure landing gears and initial spares of the hardware kits for on-going modification programs for C-17 aircraft to include Beyond Line of Sight (BLOS), Replacement Heads-Up Display (RHUD), Filter Fire Mitigation, and other production efforts.

C-130H Avionics Modernization Program (AMP) Incr. 2: FY23 funding request for initial spares to support and maintain C-130H and LC-130H aircraft that have been modified in the AMP program. Spares will include all components and parts necessary to keep the aircraft operational to include the ARC-210 MUOS/SATURN components and parts.

C-5: No FY23 funding is required.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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>Combat Developments: FY22 funds are necessary to provide initial spares for E-9 Systems Modifications (Spares.</p> <p>Compass Call: FY23 funding request provides initial aircraft and mission systems spares for the EC-37B Compass Call Re-host Program.</p> <p>CV-22: FY23 funding request for initial spares for Gimbal Ring Joint Redesign, GPS M-Code Upgrade, Infrared Suppressor, Mast Torque Sensor System, Distributed Infrared Counter Measures Advanced Threat Warning (DIRCM ATW), and Obsolescence modification efforts.</p> <p>E-3 Airborne Warning and Control System (AWACS): FY23 funding procures the spare parts required to support the DRAGON cockpit and avionics overhaul as well as other mandatory modernization efforts including, but not limited to, Combat Identification Modernization, Communications Network Upgrade, and Mode 5 Transponder. These spares are needed to maintain readiness, maintainability, and aircraft availability levels necessary to execute validated combat operations requirements.</p> <p>E-11A BACN: Funds are required to support initial fielding of numerous program efforts including, but not limited to, BACN payloads and aircraft components and communication systems associated with the BACN mission. Funding for this exhibit contained in PE 0207238F.</p> <p>E-4B National Airborne Operations Center (NAOC): FY23 funds are required to support initial spares for numerous program efforts, including, but not limited to, Survivable Super High Frequency (SSHF) for Increment 2 common workstation and modem, Low Frequency Transmit System (LFTS) Diminishing Manufacturing Sources and Material Shortages (DMSMS) spare parts, Advanced Extremely High Frequency (AEHF) developed systems including Airborne Computing System (ACS), Enhanced Command Consoles (ECC), Automatic Patch and Test System (APTS), Live Data Recording Element (DRE), 10GigaByte Ethernet, and APIP developed A Kit, and Low Cost Modifications.</p> <p>F-15C/D FY23 funding will be used to procure initial spares for ADCP II and MIDS-JTRS which adds MIDS-JTRS to the wording.</p> <p>F-15E FY23 funding will be used to procure initial spares for ADCP II, MIDS-JTRS , APG-82(V)1, DCD. DTM II and MUOS SATURN.</p> <p>F-15 EPAWSS: FY 23 funds are planned for procurement of initial spares to support the fielding of EPAWSS Lot 3 (qty 19 a/c). Initial F-15 EPAWSS spares, to include Line Replaceable Units and Line Replaceable Modules (LRUs/LRMs), are mandated by DoD 5000.02 and DoDM 4140.02 V2 in order to support Modified Operational Aircraft and deployment Mission Readiness Spares Packages (MRSP). Funding may also be used to procure Diminishing Manufacturing Sources and Materiel Shortages (DMSMS) parts to support Lot 3 spares.</p> <p>The F-35 initial spares requirement for FY 2023 includes the F-35 Joint Spares Pool (JSP), Global Spares Package (GSP), Base Spares Packages (BSPs), and Deployment Spares Packages (DSPs). The total F-35 JSP requirement includes spares to cover procurement lead time, repair cycle time, and transportation between the various nodes of the supply chain including spare propulsion systems, depot lay in and modules. The GSP is shared amongst all F-35 Participants and based upon aircraft variant and flight hours. The Air Force initial spares requirement in FY 2023 consists of its contribution to the GSP; two BSPs to support Forth Worth and OPS-8 Squadron, and three DSPs (USAF DSP-D-15, DSP-D-16 and DSP-D-17).</p> <p>F-16: The FY23 funds are required to procure initial spares to support the fielding of the following Modification Programs: Active Electronically Scanned Array (AESA), Comm Suite Radio Upgrade, Integrated Viper Electronic Warfare Suite(IVEWS), Auto Ground Collision Avoidance System(AGCAS), Modular Mission Computer (MMC) Programmable Display Generator (PDG). Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.</p> <p>F-22 Squadrons: The FY23 funds support the procurement of initial spares to include repairable and consumables items necessary at all levels of supply in time to support newly fielded end items. Efforts include, but are not limited to the following: Link 16, Sensor Enhancement, CRPA, Crypto Modification, and Mode 5 Identification Friend or Foe (IFF). Link 16 hardware is required to enable Link 16 transmit, critical for combat operations. Sensor Enhancement hardware is required to implement advanced technology developments to maintain the platform's air superiority role. Crypto hardware is required to support National Security Administration mandates. Mode 5 IFF enables IFF Challenge and Reply capabilities on all Block 30/35 F-22 aircraft. Additional initial spares may be required to support newly fielded end items which are not tied to a specific thrust but rather are a result of a reliability, maintainability or sustainability retrofit.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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>Gorgon Stare: No FY23 funding is requested.</p> <p>HH-60G: No FY23 funding is required.</p> <p>HH-60W: FY23 funding request for initial spares, including but not limited to airframe, engine, readiness, and training systems to support the remainder of fleet requirements.</p> <p>KC-10: No FY23 funding is required.</p> <p>KC-135: FY23 funding request for Group B spares for the Aero-I program.</p> <p>KC-46: FY23 funding request for initial spares parts pipeline and repair spare parts, to include spare engines, in support of newly fielded aircraft; supports Air Mobility Command's bed-down plan, as required by title 10 U.S.C. Chapter 9A, Sec 240-D.</p> <p>MQ-9: The FY23 funding procures the initial spare parts required to support newly-fielded MQ-9 Weapon Systems, including, but not limited to, Multi-spectral Targeting Systems (MTS) and Ground Control Stations (GCS). These spares are needed to maintain readiness, maintainability, and aircraft availability levels necessary to execute validated combat operations requirements.</p> <p>MH-139A (562): FY23 funding request provides initial spares, including but not limited to airframe, engine, readiness, and training systems to support the MH-139A aircraft.</p> <p>OTHACF Precision Attack Systems Procurement: FY23 funds are necessary to procure initial spares to support and maintain Advanced Targeting Pods modified with enhanced combat identification, longer range target location and improved imagery processing capabilities. Spares will include major sub-components such as mid-wave and long-wave infrared cameras, mission processors and controllers, and redesigned data links for encryption, as well as eye-safe lasers for use in urban environments.</p> <p>RC-135 Aircraft: FY23 funds are required to procure initial spares in support of modifications of three different RC-135 aircraft mission design series utilizing seven separate engineering baselines. The initial spares consist of numerous non-stock listed, commercial-off-the-shelf (COTS) LRU's, SRU's and piece part electronic components necessary for initial fielding and operations at seven world-wide operating locations.</p> <p>T-6: No FY23 funding is required.</p> <p>VC-25A: No FY23 funding is required.</p>		

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2023 Air Force						Date: April 2022	
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 2021 (\$ M)	FY 2022 (\$ M)	FY 2023 Base (\$ M)	FY 2023 OCO (\$ M)	FY 2023 Total (\$ M)	
Initial							
BA 06 - Aircraft Spares and Repair Parts							
A01000 / A-10 Squadrons	-	6.284	6.600	5.488	0.000	5.488	
10TRGT / Aerial Targets	-	0.600	0.600	0.401	0.000	0.401	
OTHACF / Precision Attack Systems Procurement	-	0.253	3.425	2.292	0.000	2.292	
OTHACF / Automated Test Systems	-	-	2.942	1.290	0.000	1.290	
B01B00 / B-1B Squadrons	-	3.210	0.847	0.891	0.000	0.891	
B00200 / B-2 Squadrons	-	0.000	-	9.242	0.000	9.242	
B05200 / B-52 Squadrons	-	2.495	-	1.580	0.000	1.580	
C13000 / C-130 Airlift Squadron	-	-	0.419	1.153	0.000	1.153	
C01700 / C-17 Aircraft (IF)	-	47.774	11.090	10.707	0.000	10.707	
C00500 / C-5 AIRLIFT SQUADRONS (IF)	-	0.200	-	1.269	0.000	1.269	
OTHACF / Combat Developments	-	0.158	0.158	0.105	0.000	0.105	
CALL00 / Compass Call	-	10.985	65.624	1.982	0.000	1.982	
H060WM / Combat Rescue Helicopter	-	90.494	75.088	159.691	0.000	159.691	
V022A0 / CV-22 [212]	-	6.574	10.525	2.254	0.000	2.254	
E00300 / Airborne Warning and Control System (AWACS) [277]	-	7.018	21.274	0.000	0.000	0.000	
E00400 / E-4B National Airborne Operations Center (NAOC)	-	0.339	0.339	5.000	0.000	5.000	
EQ04B0 / EQ-4B	-	-	7.090	0.000	0.000	0.000	
F01500 / F-15A/B/C/D Squadrons	-	29.601	1.236	1.117	0.000	1.117	
F15EWS / F-15 EPAWSS	-	8.036	28.005	19.796	0.000	19.796	
F01500E / F-15E Squadrons	-	18.839	11.319	12.719	0.000	12.719	
F01600 / F-16 Squadrons	-	21.486	40.980	20.482	0.000	20.482	
F02200 / F-22A Squadrons [265]	-	13.497	13.709	17.369	0.000	17.369	
ATA000 / F-35 Squadrons [198]	-	304.289	442.667	151.747	0.000	151.747	
H06000 / Combat Rescue - HH-60	-	0.000	1.849	0.000	0.000	0.000	
C01000 / KC-10s	-	0.032	0.033	0.032	0.000	0.032	
C13500 / KC-135S	-	2.332	0.247	2.024	0.000	2.024	
KC046A / KC-46A Tanker Squadrons [387]	-	83.654	167.023	140.938	0.000	140.938	
PRDTB1 / MQ-9 UAV [424]	-	47.396	28.182	14.778	0.000	14.778	
JPAT00 / New AETC Aircraft Systems	-	0.001	-	0.000	0.000	0.000	
C02500 / Operational Support Airlift	-	2.157	-	0.298	0.000	0.298	

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2023 Air Force						Date: April 2022	
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 2021 (\$ M)	FY 2022 (\$ M)	FY 2023 Base (\$ M)	FY 2023 OCO (\$ M)	FY 2023 Total (\$ M)	
DARP01 / RC-135	-	51.282	51.305	25.661	0.000	25.661	
11U200 / U-2	-	40.932	14.492	2.102	0.000	2.102	
H0106O / UH-1N Replacement Program	-	18.389	-	11.253	0.000	11.253	
Subtotal: Initial	-	818.307	1,007.068	623.661	0.000	623.661	
Total Cost (Initial + Replenishment)	-	818.307	1,007.068	623.661	0.000	623.661	

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 Equip

ID Code (A=Service Ready, B=Not Service Ready): **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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	48.005	140.901	138.761	138.935	-	138.935	165.567	158.896	145.710	148.868	0.000	1,085.643
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	48.005	140.901	138.761	138.935	-	138.935	165.567	158.896	145.710	148.868	0.000	1,085.643
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	48.005	140.901	138.761	138.935	-	138.935	165.567	158.896	145.710	148.868	0.000	1,085.643

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

Initial Spares (<i>\$ in Millions</i>)	-	1.097	2.999	-	-	-	-	-	-	-	-	4.096
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY21 funding totals include 25.614M appropriated for European Deterrence Initiative (EDI).

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 are 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 (HVAC)(SEV)

The Flight Line HVAC program provides the capability to operate aircraft systems, both nuclear and conventional, that require environmental control during ground operations. The program consists of 151 different National Stock Numbers which consists of air conditioners, heaters, liquid coolant carts, and refrigerant reclamation systems. Included in the program's capabilities are the high/low volume, high/low pressure deployable air conditioners in support of all aircraft in the USAF 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. Operational assessments determined that legacy air conditioners were not performing to their specified operating temperatures. These air conditioners have exceeded their 20 year life expectancy. The age of this equipment, High ops tempo, high temperatures, and other environmental conditions in the Middle East have caused legacy air conditioners to fail, affecting operational readiness and jeopardizing critical mission. Due to obsolescence, continued modification of legacy equipment is becoming non feasible and/or cost prohibitive. Lack of dependable air conditioning equipment continues to cause operational impacts such as rescheduling maintenance activities to nighttime operations or delaying sorties in order to avoid overheating of critical electronic warfare/ avionics systems and personnel. Consequently, the warfighter has established a critical need for large and small flight line air conditioner replacement programs. The primary goals of this program are to replace the legacy units. The new large air conditioners will replace three legacy systems (approx. 400 units). The new small air conditioners will replace five legacy systems (approx. 2,400 units)

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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 Equip
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0202834F	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<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 acquires air transportable, nuclear-certified hydraulically operated lift equipment (and associated accessories) used to load conventional and nuclear weapons, fuel tanks, Electronic Counter Measure pods, and pylons. This program consists of 112 different National Stock Numbers. The lift trucks in inventory are capable of lifting 3,000 lbs, 7,000 lbs and 10,000 lbs, but due to 50% of fleet exceeding 15+ years of their service life and parts obsolescence, new current model lift trucks are needed to reduce parts constraints and high maintenance timelines, thus improving readiness for conventional and nuclear units. Lift trucks are used in support of the A-10, B-1, B-2, B-52, C-130, F-15, F-16, F-22, F-35 and KC-46 aircraft. Users of the lift trucks include USAF, ANG, AFRC, and FMS. The goal of this program is to recapitalize the aging munitions loading equipment for continual mission support. Additionally, depot repair of legacy lift trucks has been uneconomical, exceeding new procurement costs of equipment.</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>Munitions Materiel Handling (MHU) 196/204 Service Life Extension Program (SLEP)(SEV) MHU-196/204 trailers have been in service since 1982 and have been identified for a Limited Service Life Extension Program (SLEP). These trailers are self-powered, heavy duty, U-type frame munitions trailers with 40,000 lbs lift capacity used to transport, lift rotary launchers and bomb racks with conventional and nuclear munitions for supporting B-1, B-2, and B-52 aircraft missions. Through requirements documentation (AF Form 1067, Modification Proposals, AFMC Lead Command Control No. A4M200007 and A4M200008), AFGSC identified the requirement to preserve the heavyweight loading capability in support of the B-52, B-1, and B-2 until 2050 or beyond. This program intends to extend the reliability and supportability of the MHU-196/204 trailers and provide a comprehensive assessment of anticipated end-of-life, ensuring AFGSC & USSTRATCOM bomber generation requirements are fulfilled. At present time no other heavy lift devices have been identified to meet mission and nuclear safety requirements.</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. All item procured under this requirement have been moved to the family of systems in which the belong for FY20.</p> <p>ATS - Base Maintenance and Support Equipment (ATS) ATS - Base Maintenance and Support Equipment procurement dollars will be used in support of the purchase/upgrades of Armament Test Sets, purchase of Common Cargo ATS, hardware, TPS and other support to ensure cyber secure Automatic Test Systems and costs associated with Common items (used on more than one weapon system) and peculiar items (unique to one weapon system) automated test equipment for the Automatic Test Systems Division. These replacement items ensure continuation of serviceable equipment over the life of a weapon system. Items for procurement include, but are not limited to, test adapter kits, transponder test sets, Portable Automatic Test Sets, Radar Signal Simulators (RSS), logistics under attack cyber efforts, digital test stations, automated wire test sets, propulsion automatic test equipment, automatic test equipment calibration, smart weapons test sets, optical and ancillary testers, Commercial Off the Shelf (COTS) Automatic Test Equipment (ATE).</p> <p>PMA Other Government Costs applies to travel in relation to multiple platforms to include, but are not limited to F-16, B-52, B-1, B-2, F-15, A-10, 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, ATS Standardization, Portable Automatic Test Sets (PATS), Identification Friend or</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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 Equip
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0202834F	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>Foe-Radar Test Set (IFF-RTS), Electrical Electronics Equipment Test Station (EEETS), Common Organizational Level Tester (COLT), Armament Test Sets (ATS), Automated Wiring Test Set (AWTS), Electronic Warfare (EW) Chaff/Flare, Radar Signal Simulator (RSS)(AN/PLM-4), Radio Frequency Transmission Line Test Set (RFTLTS), Benchtop Reprogrammable Test System (BRAT), Helmet Cueing System Automatic Test Equipment (HCS-ATE) Commercial Off the Shelf (COTS) Automatic Test Equipment (ATE).</p> <p>Common Aircraft Portable Reprogramming Equipment (CAPRE)(ATS) Common Aircraft Portable Reprogramming Equipment (CAPRE) supports 45 Mission Design Series (MDS) to reprogram aircraft computer software, update threat data in electronic warfare pods, perform aircraft diagnostic troubleshooting, and support 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 (OFPs) 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 recognized standard for Air Force Memory Loader Verifier capability.</p> <p>Hydraulic Servicing Equipment (SEV) The Hydraulic Servicing Equipment program will recapitalize over 44 legacy variants of hydraulic test stands in USAF inventory. This program consists of 275 different National Stock Numbers. The primary effort is procurement of the universal hydraulic test stand (UHTS) which comes in electric and diesel, 2-system and 3-system configurations, depending on aircraft and maintenance requirements. The UHTS provides pressure to aircraft hydraulic systems without running the engines. It also 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 UHTS variants share an 80-90% parts commonality and were designed for ease of maintenance. 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. JSECST is a joint-use tester, which the Air Force is the lead service. 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 supports the Air Force's A-10, F-15, F-16, C-130, CV-22, B-52, and MH-60 aircraft; failure to procure this item would compromise the safety of more than 53 operational units.</p> <p>Portable Automatic Test Sets (ATS) Portable Automatic Test Set (PATS)-70 provides troubleshooting capability, reduces downtime and enhances fault isolation for Avionics and Armament Munition. It replaces the PATS-30 which experienced obsolescence and diminishing sources and becoming unsupported. The PATS-70 contains both Avionics and Armament Test Program Sets for the A-10 Aircraft. The program is currently phased (Versions 1 and 2, and Armament). The PATS-70, a modernized version (Threshold) which also includes capabilities for ops check & fault isolation of Alpha Mach (Threshold) & Anti-Skid (Objective) Systems as PATS-70v1 followed by Anti-Skid & Fuel Quantity Indicating Systems (Thresholds) with Stability Augmentation System (SAS), Integrated Flight and Fire Control Computer (IFFCC) Systems (Objectives) as PATS-70v2. PATS-70A will incorporate all features of the following currently fielded O & I-level armament testers: Control Test Set TS-4231/U, Missile Launch Control Test Set TS-4231/U, Missile Launch System Test Set TS-4230/U, Guided Missile Test Set AN/DMS-157, Gun Test Set TS-138, MK-III & MK-IV Rocket Launcher & Flare Dispenser Testers, and Ejector Bomb & Rack Test Sets.</p> <p>Small Munitions Trailers (SEV) The Small Munitions Trailers program provides trailers (and associated accessories) capable of carrying up to 15,000 lbs of conventional munitions and up to 5,500 lbs of nuclear munitions in direct support to aircraft operations. These trailers can carry bombs, missiles (Air-to-Air and Air-to-Ground), all calibers of ammunition, all countermeasures all decoys and practice bombs. Small Munitions Trailers directly support B-1, B-2, B-52, A-10, F-15, F-16, F-22, F-35, C-5, C-17, C-130, AC-130, KC-46, KC-10 and KC-135 rated to carry munitions as cargo. The goal of this program is to replace all legacy small munitions</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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 Equip
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0202834F	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>trailers in USAF inventory in one program effort. The average legacy trailer has exceeded twice its 20 year service life. The last procurement of these trailers was in 1992. The impact of age plus wear and tear have created serious obsolescence issues and high overhaul repair costs. Currently, the cost to complete a depot overhaul of a legacy trailer is nearly twice the estimated procurement cost of a new trailer.</p> <p>Nondestructive Inspection (NDI) & Oil Analysis Program (OAP)(SEV) The NDI/OAP program provides a twofold capability. NDI equipment is used to find cracks, corrosion and other signs of impending failure in an aging fleet of aircraft and support equipment. Oil analysis equipment detects impending aircraft bearing, gearbox and engine failures. This program supports mandated inspection procedures of all variants of aircraft and aircraft engines in the USAF inventory. These capabilities represent 218 different National Stock Numbers. Many items within NDI & OAP program use electronics which are increasingly unsustainable. The goal of this program is to capture advances in technology preparing Air Force for new missions/equipment while also increasing effectiveness and accuracy of inspections. Additionally, for NDI, conversion to digital X-Ray equipment eliminates need for costly film and processing supplies which utilize hazardous materials.</p> <p>Aircraft Engine Test Equipment (AETE)(SEV) The AETE program provides the capability for the warfighter to download, test, repair, troubleshoot and analyze engine data on all variants of aircraft found in the United States Air Force inventory. This program consists of, but is not limited to; engine test stands, engine test fixtures and adapters, noise suppressors (equipment that is designed to house and reduce the noise of engines while being tested), engine test sets & engine download devices (various pieces of equipment that support the analysis of engines and potential issues needing maintenance attention). These capabilities represent approximately over 450 different National Stock Number items. The goal of this program is to support the replacement of antiquated legacy equipment or fill the large gaps in the authorized vs "on-hand equipment. A majority of flight line testers are beyond their serviceable life and must be replaced.</p> <p>Aircraft Engine Handling Equipment (AEHE)(SEV) The AEHE program will procure various equipment that provide the capability to remove/install, store and transport aircraft engines. This equipment supports all variants of aircraft found in the USAF inventory. The program currently consists of 256 different National Stock Numbers items. These items include, but are not limited to, aircraft engine trailers, ground handling adapters, ground handling cradles and engine holding fixtures. The goal of this program is to replace the aging equipment that has exceeded its service life, many by 20-30 years. Due to the age of the equipment, the AF is challenged due to parts obsolescence. This is causing trailers in the field to be cannibalized to garner replacement parts to support the aircraft mission. This is quickly becoming an unsustainable activity to maintain fleet readiness.</p> <p>Aircraft Maintenance Test (AMT)(SEV) The AMT program acquires equipment that provides the capability for flight line personnel to test, analyze, troubleshoot and repair aircraft sub-systems. This capability is critical for aircraft maintainers to maintain readiness of the USAF aircraft fleet. Equipment under this program includes avionics, electrical and mechanical testers as well as boresights and optical equipment. Items in this portfolio are used on all USAF aircraft across all Major Commands at both home station and deployed locations. Legacy systems are aging and facing obsolescence issues and rising repair costs.</p> <p>Flight Line Maintenance Stands (SEV) The Flight Line Maintenance Stands program is responsible for procurement of stands utilized by aircraft technicians to work safely at various heights while performing maintenance and inspections on multiple aircraft weapon systems. This program consists of 173 different National Stock Numbers. The goal of the program is to modernize the 40+ year old legacy stand designs, which are no longer supported by the Original Equipment Manufacturers. Currently, the legacy stands do not meet OSHA's and Air Force Safety Office recently imposed standards. Procurement of the new safety compliant stands will provide critical fall protection for flight line and hanger maintenance operations which reduces maintenance costs and increases safety for our airmen.</p> <p>Flight Line Generators (SEV) The Flight Line Generator program supports the procurement of modernized equipment providing electrical power capability to support the launch and maintenance of multiple aircraft platforms within the USAF inventory. The program currently consists of 25 different National Stock Numbers. Primary goals of this program is to recapitalize the aging generator fleet. The large generator sets provide necessary electrical power to support the USAF's Low Density/High Demand fleet; E-3, E-4B, E-8, EC-130, and RC-135 aircraft. The small generator sets provide the necessary power to support the rest of the USAF aircraft fleet. As a whole, 70% of the legacy generators on the flight line have exceeded the 20 year service life by an average of eight years. These systems are rapidly becoming unsupportable due to age and parts obsolescence, increasing the risk to mission readiness across the various aircraft platforms. Additionally, depot repair of legacy generators have become uneconomical as these costs have now exceeded twice the procurement cost of a new piece of equipment. The goal of this program is to replace antiquated and exhausted generator sets and reduce the number of models in the field to decrease overall USAF footprint.</p>		

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ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0202834F	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>Flight Line Compressors (SEV) The Flight Line Compressor program provides dry, compressed air for power tools, aircraft engine start and servicing. The program consists of 260 different National Stock Numbers. Without the availability of mobile compressors, maintenance times increase due to required manual operation of hand tools. The high pressure compressors also are the only units capable of providing the required air to operate the F-16 missile rail system and 20mm ammunition loading systems. This program replaces numerous legacy systems reducing operational costs and improving maintenance capability. Newer systems provide higher performance/efficiency with increased air volume needed for advanced aircraft (F-22, F-35, and KC-46). A new workload recently added to this portfolio is pneumatic lifting bags. These bags are crash damaged or disabled aircraft recovery (CDDAR) devices used to lift damaged or crippled aircraft where it is impractical or impossible to use standard aircraft jacks. There are currently 26 bases with less than 50% asset availability that may not be able to effectively clear their active runway in the event of a crashed aircraft.</p> <p>Secondary Power(SEV) The Secondary Power program provides multiple pieces of electrical equipment including, but not limited to, load banks, frequency converters, power supplies, distribution boxes, and lighting equipment which support aircraft both on the flight line and back shop operations. It provides external ground power and illumination for every USAF aircraft. The program consists of 135 different National Stock Numbers used in direct support of testing/repair of aircraft avionics and communication equipment. Without this capability, field repair of aircraft line repairable units is impossible, increasing the supply chain and repair costs. Two of the larger projects within the program are the 100kW load bank and four-wheel light cart. The load bank is a portable, trailer-mounted, four-wheel chassis designed to test/troubleshoot loads on small flight line generators at multiple voltages. The four-wheel light cart is a self-contained, mobile power generating light source used for essential lighting on the flight line.</p> <p>Cryogenic Systems(SEV) The Cryogenic Systems program provides the capability for aircraft maintenance personnel to service critical aircraft life support systems using oxygen and nitrogen servicing equipment. This program consist of 80 different National Stock Numbers. The newest acquisition in this program, the High Purity Self Generating Nitrogen Servicing Cart, meets fifth generation requirements and reduces the logistics footprint of legacy systems and is in high demand by the warfighter. The goal of this program is to replace legacy systems that have exceeded the 20 year service life and units exhausted from high ops tempo, experiencing increased maintenance downtime and sustainment costs.</p> <p>Miscellaneous Aerospace Ground Equipment (AGE)(SEV) The Miscellaneous AGE program consists of aircraft handling equipment along with multiple pieces of flight line support equipment and aircraft maintenance equipment. The program contains over 4,000 different National Stock Numbers supporting all USAF aircraft. The Miscellaneous AGE portfolio includes, but is not limited to aircraft jacks, aircraft towbars, aircraft slings, hoists, various aircraft fixtures, aircraft ladders, ground handling equipment, and bearings. Two of the primary projects within this program are the Hydraulic Pumping Unit (HPU) and the Multi-Aircraft Canopy Crane. HPU is a four-wheel mounted, diesel and electric driven unit capable of operating multiple jacks simultaneously on the KC-135, C-130, C-17, C-5, E-3, E-8 and B-52 aircraft. This new dual powered unit replaces legacy models experiencing obsolescence and reaching its life expectancy. The Multi-Aircraft Canopy Crane has a lifting capability of 1,500 lbs and is utilized by F-15, F16, F-22, F-35, U2, HH60, T-38 and B-52 aircraft. It is used to remove/install various aircraft components such as canopy ejection seats, ammunition drums and vertical stabilizers. The legacy crane is also much larger, requiring a bigger logistics footprint for deployments and is also experiencing maintenance and parts availability issues.</p> <p>Versatile Digital Automatic Test Station (VDATS) (ATS) Versatile Digital Automatic Test Station (VDATS) is a tester that is used for maintenance and testing of advanced avionics components that supports multiple aircraft platforms and systems. Initially, VDATS was developed to reduce Automatic Test Systems (ATS) proliferation by standardizing depot avionics test stations. VDATS is the standard for avionics test and repair at the base and above levels. VDATS has flexible hardware and software architectures that are fully expandable and tailorable.</p> <p>The ATS described in this document were evaluated/approved by the Automatic Test Systems (ATS) Division Chief 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 tester that can perform similar testing across multiple weapon system platforms. The ATS Division ensures collaborative requirements planning for new ATS to reduce proliferation of new weapon system-unique ATS.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 Equip

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0202834F **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

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 8 nuclear certified testers. They are Bomber Armament Tester (BAT), B-52 Multi-Use Systems Tester Armament Next Generation (MUSTANG), Cruise Missile Automatic Test Systems (CM-ATS), B-2 Common Organizational Level Tester (COLT), F-16 Stores System Tester (SST), F-15 Armament Testers (T-198 & T-199), F-16 Armament Circuits Preload Test Set (ACPTS).

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 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.

FY23 funds will be used to procure PAO cart for Multi-Platform Radar Technology Insertion Program (PM-RTIP) on RQ-4 B40. Funding for this exhibit contained in PE 0305220F.

This requirement (or modification) supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

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

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.

Program elements associated with this P-1 Line are: 0202834F, 0502834F, 0502844F, and 0701212F.

Secondary Distribution		FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027
AF	Quantity	2	188	293	0	293	-	-	-	-
	Total Obligation Authority	106.109	103.005	107.821	0.000	107.821	24.013	29.462	37.518	38.331
AFNG	Quantity	0	42	89	0	89	-	-	-	-
	Total Obligation Authority	18.654	23.028	19.885	0.000	19.885	-	-	-	-
AFR	Quantity	0	21	76	0	76	-	-	-	-
	Total Obligation Authority	16.139	12.732	11.319	0.000	11.319	-	-	-	-
Total: Secondary Distribution	Quantity	2	251	458	0	458	-	-	-	-
	Total Obligation Authority	140.902	138.765	139.025	0.000	139.025	24.013	29.462	37.518	38.331

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 Equip

ID Code (A=Service Ready, B=Not Service Ready): **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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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	Aircraft Engine Testing Equipment Program				- / -	- / 13.286	- / 5.333	- / 7.788	- / -	- / 7.788
P-5	B-1B Advanced REW Test Station (ARTS)		A		- / -	- / 17.527	- / 22.729	- / 15.225	- / -	- / 15.225
P-40a	Aerial Stores Lift Trucks				- / -	- / 8.763	- / 18.630	- / 14.497	- / -	- / 14.497
P-40a	Aircraft Engine Handling Equipment				- / -	- / 5.749	- / 0.000	- / 0.000	- / -	- / 0.000
P-40a	Aircraft Maintenance Secondary Power				- / -	- / 0.971	- / 0.000	- / 9.116	- / -	- / 9.116
P-40a	AIRCRAFT MAINTENANCE STANDS				- / -	- / 1.001	- / -	- / -	- / -	- / -
P-40a	Aircraft Maintenance Testers				- / -	- / 11.984	- / 15.690	- / 15.989	- / -	- / 15.989
P-40a	A0003 / MHU-196/204 SLEP - Munitions Handling Units (MHU)-196/204 Serv Life Extension Program (SLEP)				- / 48.005	- / 11.930	- / 15.267	- / 1.721	- / 0.000	- / 1.721
P-40a	Ammunition Loading Equipment				- / -	- / 6.386	- / 10.001	- / 28.659	- / -	- / 28.659
P-40a	ATS - Base Maint & Spt Eq				- / -	- / 7.751	- / -	- / -	- / -	- / -
P-40a	ATS TMDE-Electronic				- / -	- / 6.603	- / 11.380	- / 3.340	- / -	- / 3.340
P-40a	B-52 MUSTANG Tester				- / -	- / 0.664	- / -	- / -	- / -	- / -
P-40a	BP12 ITEMS LESS THAN 5 MILLION DOLLARS				- / -	- / -	- / -	- / 5.053	- / -	- / 5.053
P-40a	Flight Line Generators				- / -	- / 5.097	- / 3.102	- / 11.145	- / 0.000	- / 11.145
P-40a	FLIGHTLINE COMPRESSORS				- / -	- / 2.001	- / 0.000	- / -	- / -	- / -
P-40a	FLIGHTLINE CRYOGENIC SYSTEMS				- / -	- / 2.001	- / 0.000	- / -	- / -	- / -
P-40a	Flightline Heating, Ventilating, Air Conditioning				- / -	- / 22.299	- / 28.329	- / 14.661	- / -	- / 14.661
P-40a	Hydraulic Servicing Equipment				- / -	- / 4.912	- / 5.797	- / 9.688	- / -	- / 9.688
P-40a	JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER (JSECST)				- / -	- / 0.993	- / 2.507	- / 2.143	- / -	- / 2.143
P-40a	MISC AEROSPACE GROUND EQUIP (AGE)				- / -	- / 3.001	- / 0.000	- / -	- / -	- / -
P-40a	Nondestructive Inspection (NDI) Joint Oil Analysis Program (JOAP)				- / -	- / 7.983	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 48.005	- / 140.901	- / 138.761	- / 138.935	- / -	- / 138.935

Exhibits Schedule					FY 2024	FY 2025	FY 2026	FY 2027	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	Aircraft Engine Testing Equipment Program				- / -	- / -	- / -	- / -	- / -	- / -
P-5	B-1B Advanced REW Test Station (ARTS)		A		- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Aerial Stores Lift Trucks				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Aircraft Engine Handling Equipment				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Aircraft Maintenance Secondary Power				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	AIRCRAFT MAINTENANCE STANDS				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Aircraft Maintenance Testers				- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 Equip

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0202834F **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					FY 2024	FY 2025	FY 2026	FY 2027	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	A0003 / MHU-196/204 SLEP - Munitions Handling Units (MHU)-196/204 Serv Life Extension Program (SLEP)				- / 24.013	- / 29.462	- / 37.518	- / 38.331	- / 0.000	- / 206.247
P-40a	Ammunition Loading Equipment				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	ATS - Base Maint & Spt Eq				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	ATS TMDE-Electronic				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	B-52 MUSTANG Tester				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	BP12 ITEMS LESS THAN 5 MILLION DOLLARS				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Flight Line Generators				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	FLIGHTLINE COMPRESSORS				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	FLIGHTLINE CRYOGENIC SYSTEMS				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Flightline Heating, Ventilating, Air Conditioning				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Hydraulic Servicing Equipment				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER (JSECST)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	MISC AEROSPACE GROUND EQUIP (AGE)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Nondestructive Inspection (NDI) Joint Oil Analysis Program (JOAP)				- / -	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 165.567	- / 158.896	- / 145.710	- / 148.868	- / 0.000	- / 1,085.643

*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, Aircraft Replacement Support Equip P-40A Category SUPPORT EQUIPMENT AND VEHICLES (SEV) Item RQ-4 Polyalphaolefin (PAO) cooling cart, is a new start.

FY23 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 includes studies for DMSMS actions.

Please refer to individual P-3As, P-40As and P-5s for FY23 justifications.

Efforts with funding starting in FY 2024 through FY 2027 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:

- (a) FY 2024 Cost Delta: 141.554 million
- (b) FY 2025 Cost Delta: 129.434 million
- (c) FY 2026 Cost Delta: 108.192 million
- (d) FY 2027 Cost Delta: 110.537 million

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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 Equip
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0202834F	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

^(e) FY Total Cost Delta: 879.396 million

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force															Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1							P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip								Aggregated Items Title: Aircraft Engine Testing Equipment Program				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - Support End Item Cost																				
PMA Other Government Costs	A		-	-	-	-	-	-	-	-	-	0.006	18	0.100	-	-	-	0.006	18	0.100
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-			18	0.100		-	-		18	0.100
Subtotal: Support - Support End Item Cost			-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
Hardware - Hardware End Item Cost																				
Engine Test Equipment	A		-	-	-	-	-	13.286	0.034	159	5.333	0.030	254	7.688	-	-	-	0.030	254	7.688
<i>Secondary Distribution</i>																				
AF				-	-		-	0.000		99	3.294		169	4.977		-	-		169	4.977
AFNG				-	-		-	4.435		40	1.356		40	1.005		-	-		40	1.005
AFR				-	-		-	8.851		20	0.683		45	1.706		-	-		45	1.706
Subtotal: Hardware - Hardware End Item Cost			-	-	-	-	-	13.286	-	-	5.333	-	-	7.688	-	-	-	-	-	7.688
Total			-	-	-	-	-	13.286	-	-	5.333	-	-	7.788	-	-	-	-	-	7.788

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

Remarks:

Prior to FY 2023, PMA Other Government Cost activities were included in the program hardware funding. The FY 2023 PMA Other Government Cost funding may 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.

Aircraft Replacement Support Equipment is centrally managed as a common platform and PMA costs are shared.

This capability procures a multitude of related items with different unit costs.

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.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip	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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	17.527	22.729	15.225	-	15.225
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	17.527	22.729	15.225	-	15.225
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	17.527	22.729	15.225	-	15.225

(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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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	-	-	-	-	-	15.130	-	-	17.362	-	-	12.138	-	-	-	-	-	12.138
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	15.130	-	-	17.362	-	-	12.138	-	-	-	-	-	12.138
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	15.130	-	-	17.362	-	-	12.138	-	-	-	-	-	12.138
Support - Support End Item Cost																		
ICS	-	-	-	-	-	2.304	-	-	5.342	-	-	3.087	-	-	-	-	-	3.087
PMA Other Government Costs	-	-	-	-	-	0.093	-	-	0.025	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	2.397	-	-	5.367	-	-	3.087	-	-	-	-	-	3.087
Gross/Weapon System Cost	-	-	-	-	-	17.527	-	-	22.729	-	-	15.225	-	-	-	-	-	15.225

Remarks:

B-1 Advanced Radar/Electronic Warfare Test Station (ARTS) PEC 0701212F

B-1B Advanced Radar/Electronic Warfare Test Station (ARTS) is an automated test systems program that addresses obsolescence and support issues for the existing legacy Automatic Test Systems (ATS) which are used for the test, measurement, and analysis of Line Replaceable Units (LRU) which comprise the B-1 Bomber's ALQ-161 Defensive Avionics System (DAS). B-1B ARTS will replace the legacy ATS currently in Air Force inventory. B-1B ARTS will be used in the back shops of the 7th Maintenance Group at Dyess AFB, the 28th Maintenance Group at Ellsworth AFB, and the 116th Air Control Wing at Robins AFB. The 402nd Electronic Maintenance Group at Robins AFB uses this system for depot level repair.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip	Item Number / Title [DODIC]: B-1B Advanced REW Test Station (ARTS)
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

The legacy ATS used to repair the ALQ-161 DAS on the B-1B is increasingly difficult to support because of parts obsolescence. The DAS not being fully operational will negatively affect the B-1's capability to provide global responsiveness, precision firepower with range, loiter, dash, and a significant quantity and mix of direct attack short-range and stand-off weapons.

FY20-FY23 costs growth on this program are due to contract termination with the OEM and working to recover the program through organic efforts. Procurement funds will be utilized to continue working the ARTS Recovery Strategy efforts, fund remaining ARTS Test Program Set (TPS), to implement station baseline configuration, establish an ICS contract, replace OEM's proprietary RF component in all stations, complete TPS Development and perform regression testing for delivered Test Program Sets and other associated costs with the B-1 ARTS program.

Secondary Distribution		FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	17.527	22.729	15.225	-	15.225
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	17.527	22.729	15.225	-	15.225

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1 **P-1 Line Item Number / Title:** 000071 / Aircraft Replacement Support Equip **Aggregated Items Title:** Aerial Stores Lift Trucks

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
MJ-1C	A		-	-	-	-	-	8.763	-	-	0.000	-	-	7.218	-	-	-	-	-	7.218
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	7.124	-	-	0.000	-	-	4.554	-	-	-	-	-	4.554
AFNG			-	-	-	-	-	1.371	-	-	0.000	-	-	2.299	-	-	-	-	-	2.299
AFR			-	-	-	-	-	0.268	-	-	0.000	-	-	0.365	-	-	-	-	-	0.365
MHU-83	A		-	-	-	-	-	-	-	-	17.146	-	-	6.852	-	-	-	-	-	6.852
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	12.357	-	-	4.553	-	-	-	-	-	4.553
AFNG			-	-	-	-	-	-	-	-	3.187	-	-	2.299	-	-	-	-	-	2.299
AFR			-	-	-	-	-	-	-	-	1.602	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Hardware - Hardware End Item Cost			-	-	-	-	-	8.763	-	-	17.146	-	-	14.070	-	-	-	-	-	14.070
Support - Support End Item Cost																				
PMA Other Government Charges	A		-	-	-	-	-	-	-	-	0.100	-	-	0.015	-	-	-	-	-	0.015
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	0.100	-	-	0.015	-	-	-	-	-	0.015
PMA: Other Contractor Services	A		-	-	-	-	-	-	-	-	1.384	-	-	0.412	-	-	-	-	-	0.412
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	1.384	-	-	0.412	-	-	-	-	-	0.412
Subtotal: Support - Support End Item Cost			-	-	-	-	-	-	-	-	1.484	-	-	0.427	-	-	-	-	-	0.427
Total			-	-	-	-	-	8.763	-	-	18.630	-	-	14.497	-	-	-	-	-	14.497

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

Remarks:

Prior to FY 2023, Support End Item Costs were included in the program hardware funding. The FY 2023 PMA Other Government Cost funding may 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.

Aircraft Replacement Support Equipment is centrally managed as a common platform and PMA costs are shared.

This capability procures a multitude of related items with different unit costs.

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.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1 **P-1 Line Item Number / Title:** 000071 / Aircraft Replacement Support Equip **Aggregated Items Title:** Aircraft Engine Handling Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
Aircraft Engine Trailers	A		-	-	-	-	-	5.607	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Secondary Distribution</i>																				
AF				-	-		-	5.607		-	0.000		-	0.000		-	-		-	0.000
European Deterrence Initiative (EDI)	A		-	-	-	-	-	0.142	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Secondary Distribution</i>																				
AF				-	-		-	0.142		-	0.000		-	0.000		-	-		-	0.000
Subtotal: Hardware			-	-	-	-	-	5.749	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Total			-	-	-	-	-	5.749	-	-	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.

Remarks:

In FY22, European Deterrence Initiative (EDI) funds moved from OCO to Baseline.

This capability procures a multitude of related items with different unit costs.

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.

No FY23 funding requested.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1 **P-1 Line Item Number / Title:** 000071 / Aircraft Replacement Support Equip **Aggregated Items Title:** Aircraft Maintenance Secondary Power

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - Support End Item Cost																				
PMA Other GovernmentCosts	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Support - Support End Item Cost			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hardware - Hardware End Item Cost																				
Secondary Power Unit	A		-	-	-	-	-	0.971	-	-	0.000	-	-	9.116	-	-	-	-	-	9.116
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.971	-	-	0.000	-	-	9.116	-	-	-	-	-	9.116
Subtotal: Hardware - Hardware End Item Cost			-	-	-	-	-	0.971	-	-	0.000	-	-	9.116	-	-	-	-	-	9.116
Total			-	-	-	-	-	0.971	-	-	0.000	-	-	9.116	-	-	-	-	-	9.116

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

Remarks:

FY23 funding increased by \$9.116M to purchase aircraft maintenance secondary power for pacific theater.

This capability procures a multitude of related items with different unit costs.

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

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1 **P-1 Line Item Number / Title:** 000071 / Aircraft Replacement Support Equip **Aggregated Items Title:** AIRCRAFT MAINTENANCE STANDS

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - Support End Item Cost																				
PMA Other Government Costs	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Support - Support End Item Cost			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hardware - Hardware End Item Cost																				
Maintenance Stands	A		-	-	-	-	-	1.001	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	1.001	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Hardware - Hardware End Item Cost			-	-	-	-	-	1.001	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	1.001	-	-	-	-	-	-	-	-	-	-	-	

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 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1 **P-1 Line Item Number / Title:** 000071 / Aircraft Replacement Support Equip **Aggregated Items Title:** Aircraft Maintenance Testers

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
Testers: Avionics, Radar, Radio	A		-	-	-	-	-	3.878	-	-	5.230	-	-	5.168	-	-	-	-	-	5.168
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	3.878	-	-	3.398	-	-	3.057	-	-	-	-	-	3.057
AFNG			-	-	-	-	-	-	-	-	1.219	-	-	1.357	-	-	-	-	-	1.357
AFR			-	-	-	-	-	-	-	-	0.613	-	-	0.754	-	-	-	-	-	0.754
Optical Devices	A		-	-	-	-	-	3.878	-	-	5.230	-	-	5.169	-	-	-	-	-	5.169
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	3.878	-	-	3.398	-	-	3.057	-	-	-	-	-	3.057
AFNG			-	-	-	-	-	-	-	-	1.219	-	-	1.357	-	-	-	-	-	1.357
AFR			-	-	-	-	-	-	-	-	0.613	-	-	0.755	-	-	-	-	-	0.755
Misc Electronic Devices	A		-	-	-	-	-	3.878	-	-	5.230	-	-	5.169	-	-	-	-	-	5.169
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	3.878	-	-	3.398	-	-	3.057	-	-	-	-	-	3.057
AFNG			-	-	-	-	-	-	-	-	1.219	-	-	1.358	-	-	-	-	-	1.358
AFR			-	-	-	-	-	-	-	-	0.613	-	-	0.754	-	-	-	-	-	0.754
Subtotal: Hardware - Hardware End Item Cost			-	-	-	-	-	11.634	-	-	15.690	-	-	15.506	-	-	-	-	-	15.506
Support - Support End Item Cost																				
PMA: Other Contractor Services	A		-	-	-	-	-	0.300	-	-	0.000	-	-	0.459	-	-	-	-	-	0.459
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.300	-	-	0.000	-	-	0.459	-	-	-	-	-	0.459
PMA: Other Government Charges	A		-	-	-	-	-	0.050	-	-	0.000	-	-	0.024	-	-	-	-	-	0.024
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.050	-	-	0.000	-	-	0.024	-	-	-	-	-	0.024
Subtotal: Support - Support End Item Cost			-	-	-	-	-	0.350	-	-	0.000	-	-	0.483	-	-	-	-	-	0.483
Total			-	-	-	-	-	11.984	-	-	15.690	-	-	15.989	-	-	-	-	-	15.989

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

Remarks:
Aircraft Replacement Support Equipment is centrally managed as a common platform and PMA costs are shared.

This capability procures a multitude of related items with different unit costs.

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.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip	Aggregated Items Title: Aircraft Maintenance Testers

FY23 funding increased to purchase additional aircraft maintenance testers for the Pacific theater.

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Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2023 Air Force														Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1							P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip							Aggregated Modification Items Title: A0003 / MHU-196/204 SLEP - Munitions Handling Units (MHU)-196/204 Serv Life Extension Program (SLEP)					

Item Number / Title	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
A0003 / MHU-196/204 SLEP			-	-	48.005	-	-	11.930	-	-	15.267	-	-	1.721	-	-	-	-	-	1.721
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	11.930	-	-	15.267	-	-	1.721	-	-	-	-	-	1.721
Total			-	-	48.005	-	-	11.930	-	-	15.267	-	-	1.721	-	-	0.000	-	-	1.721

Item Number / Title	ID CD	MDAP/MAIS Code	FY 2024			FY 2025			FY 2026			FY 2027			To Complete			Total Cost		
			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)
A0003 / MHU-196/204 SLEP			-	-	24.013	-	-	29.462	-	-	37.518	-	-	38.331	-	-	-	-	-	206.247
<i>Secondary Distribution</i>																				
AF			-	-	24.013	-	-	29.462	-	-	37.518	-	-	38.331	-	-	-	-	-	-
Total			-	-	24.013	-	-	29.462	-	-	37.518	-	-	38.331	-	-	0.000	-	-	206.247

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

Modification Information:

Item Number / Title	Models of Systems Affected	Modification Type
A0003 / MHU-196/204 SLEP	MHU-196, 204	Service Life Extension

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1 **P-1 Line Item Number / Title:** 000071 / Aircraft Replacement Support Equip **Aggregated Items Title:** Ammunition Loading Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - Support End Item Cost																				
PMA Other Government Cost	A		-	-	-	-	-	-	-	-	-	-	-	0.020	-	-	-	-	-	0.020
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	-		-	0.020		-	-		-	0.020
Subtotal: Support - Support End Item Cost			-	-	-	-	-	-	-	-	-	-	-	0.020	-	-	-	-	-	0.020
Hardware - Ammo Loaders																				
Ammo Loaders	A		-	-	-	-	-	6.386	0.769	13	10.001	0.348	31	10.801	-	-	-	0.348	31	10.801
<i>Secondary Distribution</i>																				
AF				-	-		-	3.889		10	7.434		8	6.129		-	-		8	6.129
AFNG				-	-		-	-		2	1.707		19	3.003		-	-		19	3.003
AFR				-	-		-	2.497		1	0.860		4	1.669		-	-		4	1.669
European Defense Initiative (EDI)	A		-	-	-	-	-	-	-	-	-	8.919	2	17.838	-	-	-	8.919	2	17.838
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	-		2	17.838		-	-		2	17.838
Subtotal: Hardware - Ammo Loaders			-	-	-	-	-	6.386	-	-	10.001	-	-	28.639	-	-	-	-	-	28.639
Total			-	-	-	-	-	6.386	-	-	10.001	-	-	28.659	-	-	-	-	-	28.659

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

Remarks:

Funding increased by \$17.7M to purchase ammunition loading equipment for European theater

In FY 2023, European Defense Initiative (EDI) moved from Overseas Contingency Operations (OCO) funds to Baseline funds.

Prior to FY 2023, PMA Other Government Cost activities were included in the program hardware funding. The FY 2023 PMA Other Government Cost funding may 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.

Aircraft Replacement Support Equipment is centrally managed as a common platform and PMA costs are shared.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip	Aggregated Items Title: ATS - Base Maint & Spt Eq
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
Base Maintenance and Support Equipment																				
Base Maintenance and Support Equipment	A		-	-	-	-	-	7.451	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	7.451	-	-	-	-	-	-	-	-	-	-	-	
Test Set, Transponder (IFF)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Common Munitions Built-in Test Reprogramming Equipment	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cyber Security/ Support	A		-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	
Armament Test Sets	A		-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Base Maintenance and Support Equipment			-	-	-	-	-	7.751	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	7.751	-	-	-	-	-	-	-	-	-	-	-	

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

Remarks:

Funding moved here from P-40a Items less than 5 million dollars

FY23 funding required for:

ATS - Base Maintenance and Support Equipment (ATS)

ATS - Base Maintenance and Support Equipment procurement dollars will be used in support of the purchase/upgrades of Armament Test Sets, purchase of Common Cargo ATS, hardware, TPS and other support to ensure cyber secure Automatic Test Systems and costs associated with Common items (used on more than one weapon system) and peculiar items (unique to one weapon system) automated test equipment for the Automatic Test Systems Division. The ATS Product Group which consists of: Armament and Stores ATS, Electronic Warfare ATS, Software Loader/Verifier and Built-in-Test ATS, Radar and Identification Friend or Foe ATS, Specialized ATS to accelerate replacing and fielding cyber-resilient, nuclear-certified ATS supporting USAF Armament, Bomber, Fighter/Advance Aircraft, Mobility, Training, ISR & SOF, Presidential & Executive Airlift ATS. These replacement items ensure continuation of serviceable equipment over the life of a weapon system. Items for procurement include, but are not limited to, test adapter kits, transponder test sets, Portable Automatic Test Sets, Radar Signal Simulators (RSS), logistics under attack cyber efforts, digital test stations, automated wire test sets, propulsion automatic test equipment, automatic test equipment calibration, smart weapons test sets, optical and ancillary testers, Commercial Off the Shelf (COTS) Automatic Test Equipment (ATE).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force	Date: April 2022
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip	Aggregated Items Title: ATS - Base Maint & Spt Eq
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PMA Other Government Costs applies to travel in relation to multiple platforms to include, but are not limited to F-16, B-52, B-1, B-2, F-15, A-10, 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, ATS Standardization, Portable Automatic Test Sets (PATS), Identification Friend or Foe-Radar Test Set (IFF-RTS), Electrical Electronics Equipment Test Station (EEETS), Common Organizational Level Tester (COLT), Armament Test Sets (ATS), Automated Wiring Test Set (AWTS), Electronic Warfare (EW) Chaff/Flare, Radar Signal Simulator (RSS)(AN/PLM-4), Radio Frequency Transmission Line Test Set (RFTLTS), Benchtop Reprogrammable Test System (BRAT), Helmet Cueing System Automatic Test Equipment (HCS-ATE) Commercial Off the Shelf (COTS) Automatic Test Equipment (ATE).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip	Aggregated Items Title: ATS TMDE-Electronic
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
TMDE																				
TMDE	A		-	-	-	-	-	6.603	-	-	11.380	-	-	3.340	-	-	-	-	-	3.340
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	2.279	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
AFNG			-	-	-	-	-	2.594	-	-	6.828	-	-	2.004	-	-	-	-	-	2.004
AFR			-	-	-	-	-	1.730	-	-	4.552	-	-	1.336	-	-	-	-	-	1.336
Subtotal: TMDE			-	-	-	-	-	6.603	-	-	11.380	-	-	3.340	-	-	-	-	-	3.340
Total			-	-	-	-	-	6.603	-	-	11.380	-	-	3.340	-	-	-	-	-	3.340

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

Remarks:

Funding moved here from P-40a Items less than 5 million dollars

TMDE supports 5 programs : TMDE Analyzer, TMDE Calibrators, TMDE Generic, TMDE Meters, and TMDE Test Sets.

Items that are made up of generic Commercial Off the Shelf Automatic Test Equipment (COTS-ATE). These items range from man portable/bench-top equipment which provide measurement capabilities to instruments that check measures against an accurate standard to determine any deviation. Items include length gauges, depth gauges, bore gauges, calipers, chemical composition devices, and other devices

Various devices designed to measure time, distance, speed, or intensity or indicate and record or regulate the amount or volume, as of the flow of a gas, resistance, power, mechanical properties, conductivity, material composition, optical investigation or an electric current such as flow meters, microscopes, current meters, voltage meters, ohm meters, bridges, non-destructive testing and others.

TMDE analyzers are devices that investigate the physical or electrical factors of an item under test. The major types of analyzers are bus, logic, network, spectrum and vector signal. Program provides for replacement buys, organic including inter-service and contract repair for all Department of Defense military branches, Foreign Military Sales (FMS) and other agencies.

Instruments designed for a specific type of measurement to validate the performance of radios, RADAR, navigation, avionics, telephone, data, circuit cards and other items that have multiple parameters that must be verified to ensure optimum performance and mission accomplishment which may be computer controlled or may be manually operated.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip	Aggregated Items Title: B-52 MUSTANG Tester
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
B52 MUSTANG																				
Kits and Implementation	A		-	-	-	-	-	0.664	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.664	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: B52 MUSTANG			-	-	-	-	-	0.664	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	0.664	-	-	-	-	-	-	-	-	-	-	-	

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

Remarks:
No FY23 funding requested.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force															Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1							P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip								Aggregated Items Title: BP12 ITEMS LESS THAN 5 MILLION DOLLARS				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 AND VEHICLES (SEV)																				
FAST CHARACTERIZATION TOOL (FACT) 4920015711970RN (SEV)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FAST CHARACTERIZATION TOOL (FACT) 4920015654320RN (SEV)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLIGHT LINE GENERATORS (SEV)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1 MAINTENANCE STANDS 1730015544187RN (SEV)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4 MAINTENANCE STANDS 1730015554366RN (SEV)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A/M24T-16 LOAD BANK (SEV)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS AGE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PMA CONTRACTOR SERVICES	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PMA OTHER GOVERNMENT COSTS (SEV)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ADVANCED CONTROL TESTER (ACT) (SEV)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RQ-4 Polyalphaolefin (PAO) cooling cart	A		-	-	-	-	-	-	-	-	-	-	-	5.053	-	-	-	-	-	5.053
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	-	-	5.053	-	-	-	-	-	5.053
Subtotal: SUPPORT EQUIPMENT AND VEHICLES (SEV)			-	-	-	-	-	-	-	-	-	-	-	5.053	-	-	-	-	-	5.053
AIR FORCE SUSTAINMENT CENTER (OC-ALC)																				
FSC 1660 AIRCRAFT AIR CONDITIONING, HEAT AND PRESSURIZING EQUIPMENT (OC)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force															Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1						P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip						Aggregated Items Title: BP12 ITEMS LESS THAN 5 MILLION DOLLARS							

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
FSC 1730 AIRCRAFT GROUND SERVICING EQUIPMENT (OC)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FSC 3940 BLOCK, TACKLE, RIGGING, SLING (OC)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FSC 3990 MISCELLANEOUS MATERIALS HANDLING EQUIPMENT (OC)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FSC 4920 AIRCRAFT MAINT SHOP SPECIALIZED EQP (OC)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FSC 4935 GUIDED MISSILE MAINTENANCE, REP, AND CHECKOUT SPECIALIZED EQUIPMENT (OC)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FSC 5120 HAND TOOLS, NON-EDGED, NON-POWERED (OC)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FSC 5130 HAND TOOLS, POWER DRIVE (OC)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FSC 5180 SPECIALIZED EQUIPMENTS, KITS, OUTFITS/HAND TOOLS (OC)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FSC 6625 ELECTRICAL AND ELECTRONIC PROPERTIES MEASURING, TEST INSTRUMENTS (OC)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FSC 6635 PHYSICAL PROPERTIES TESTING AND INSPECTION EQUIPMENT (OC)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: AIR FORCE SUSTAINMENT CENTER (OC-ALC)			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force																Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1						P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip						Aggregated Items Title: BP12 ITEMS LESS THAN 5 MILLION DOLLARS								

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
OTHER																				
F-16 SQUADRON	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-130 MSN Ready Ops	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rivot Joint Mods	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
Subtotal: OTHER			-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	5.053	-	-	-	-	-	5.053

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

Remarks:

FEDERAL STOCK CLASS (FSC)

Support Equipment and Vehicles (SE&V)

'Fast Characterization Tool (FACT) 4920015711970RN' falls within the AIRCRAFT MAINTENANCE TESTERS Program

'B-1 Maintenance Stands 1730015544187RN' and 'B-4 Maintenance Stands 1730015554366RN' both fall within the AIRCRAFT MAINTENANCE STANDS Program.

'A/M24T-16 Load Bank' falls within the SECONDARY POWER Program.

'Advanced Control Tester (ACT)(SEV)' falls within the AIRCRAFT ENGINE TEST EQUIPMENT Program.

'Miscellaneous AGE' falls within the MISC AEROSPACE GROUND EQUIP (AGE) Program

PMA OTHER GOVERNMENT COSTS: This line supports the operation of the program office in its management and oversight role via travel, procurement of supplies, studies and Advisory and Administrative Services (A&AS).

FY20 SE&V procurement dollars support the European Contingency Air Operations System (ECAOS)/Deployable Air Base System (DABS) - Facilities, Equipment, and Vehicles (FEV).

Capabilities procure a multitude of related items with different unit costs.

Funds for FY20 were moved to the new P-40a's for system being acquired.

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.

FY23 funds will be used to procure PAO cart for Multi-Platform Radar Technology Insertion Program (PM-RTIP) on RQ-4 B40

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1 **P-1 Line Item Number / Title:** 000071 / Aircraft Replacement Support Equip **Aggregated Items Title:** Flight Line Generators

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - Support End Item Cost																				
PMA Other Government Costs	A		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	-		-	0.000		-	-		-	0.000
Subtotal: Support - Support End Item Cost			-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Hardware - Hardware End Item Cost																				
Large & Small Flightline Generator	A		-	-	-	-	-	3.097	-	-	3.102	1.857	6	11.145	-	-	-	1.858	6	11.145
<i>Secondary Distribution</i>																				
AF				-	-		-	0.000		-	3.102		6	11.145		-	-		6	11.145
AFNG				-	-		-	3.097		-	0.000		-	-		-	-		-	-
AFR				-	-		-	0.000		-	0.000		-	-		-	-		-	-
Large & Small Flightline Generator European Defense Initiative (EDI)	A		-	-	-	-	-	2.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<i>Secondary Distribution</i>																				
AF				-	-		-	2.000		-	0.000		-	0.000		-	0.000		-	0.000
Subtotal: Hardware - Hardware End Item Cost			-	-	-	-	-	5.097	-	-	3.102	-	-	11.145	-	-	0.000	-	-	11.145
Total			-	-	-	-	-	5.097	-	-	3.102	-	-	11.145	-	-	0.000	-	-	11.145

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

Remarks:

In FY 2023, European Defense Initiative (EDI) moved from Overseas Contingency Operations (OCO) funds to Baseline funds.

Prior to FY 2023, PMA Other Government Cost activities were included in the program hardware funding. The FY 2023 PMA Other Government Cost funding may 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.

Aircraft Replacement Support Equipment is centrally managed as a common platform and PMA costs are shared.

This capability procures a multitude of related items with different unit costs.

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.

FY23 funding increased to purchase flightline generators for the pacific theater.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip	Aggregated Items Title: FLIGHTLINE COMPRESSORS
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
End Item																				
Small Compressor	A		-	-	-	-	-	2.001	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	2.001	-	-	0.000	-	-	-	-	-	-	-	-	
Subtotal: End Item			-	-	-	-	-	2.001	-	-	0.000	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	2.001	-	-	0.000	-	-	-	-	-	-	-	-	

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

Remarks:

This capability procures a multitude of related items with different unit costs.

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.

No FY23 funding requested.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip	Aggregated Items Title: FLIGHTLINE CRYOGENIC SYSTEMS
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
HP-SGNSC	A		-	-	-	-	-	2.001	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	2.001	-	-	0.000	-	-	-	-	-	-	-	-	
Subtotal: Uncategorized			-	-	-	-	-	2.001	-	-	0.000	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	2.001	-	-	0.000	-	-	-	-	-	-	-	-	

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

Remarks:

This capability procures a multitude of related items with different unit costs.

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.

No FY23 funding requested.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force															Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1										P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip					Aggregated Items Title: Flightline Heating, Ventilating, Air Conditioning				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
Large & Small Flightline HVAC	A		-	-	-	-	-	16.302	-	-	28.329	0.172	85	14.636	-	-	-	0.172	85	14.636
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	6.537	-	-	21.047	-	42	8.239	-	-	-	-	42	8.239
AFNG			-	-	-	-	-	7.024	-	-	4.846	-	22	3.428	-	-	-	-	22	3.428
AFR			-	-	-	-	-	2.741	-	-	2.436	-	21	2.969	-	-	-	-	21	2.969
Large & Small Flightline HVAC (EDI/ ECAOS)	A		-	-	-	-	-	5.997	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	5.997	-	-	0.000	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Hardware End Item Cost			-	-	-	-	-	22.299	-	-	28.329	-	-	14.636	-	-	-	-	-	14.636
Support - Support End Item Cost																				
PMA: Other Government Charges	A		-	-	-	-	-	0.000	-	-	0.000	-	-	0.025	-	-	-	-	-	0.025
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.000	-	-	0.000	-	-	0.025	-	-	-	-	-	0.025
PMA: Other Contractor Services	A		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Support - Support End Item Cost			-	-	-	-	-	0.000	-	-	0.000	-	-	0.025	-	-	-	-	-	0.025
Total			-	-	-	-	-	22.299	-	-	28.329	-	-	14.661	-	-	-	-	-	14.661

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

Remarks:

Prior to FY 2023, Support End Item Cost activities were included in the Hardware End Item funding. The FY 2023 PMA Other Government Cost funding may 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.

Aircraft Replacement Support Equipment is centrally managed as a common platform and PMA costs are shared.

This capability procures a multitude of related items with different unit costs.

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.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force																Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1						P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip						Aggregated Items Title: Hydraulic Servicing Equipment								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - Support End Item Cost																				
PMA Other Government Costs	A		-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Support - Support End Item Cost			-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Hardware - Hardware End Item Cost																				
UNIVERSAL TRIPLE HYDRAULIC TEST STAND (3 SYS) (DIESEL)	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
UNIVERSAL TRIPLE HYDRAULIC TEST STAND (3 SYS) (ELECTRIC)	A		-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-
UNIVERSAL HYDRAULIC TEST STAND (2 SYS) (DIESEL)	A		-	-	-	-	-	4.912	-	-	5.797	0.147	52	7.650	-	-	-	0.147	52	7.650
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	4.727	-	-	3.590	-	38	4.864	-	-	-	-	38	4.864
AFNG			-	-	-	-	-	0.133	-	-	1.447	-	8	1.775	-	-	-	-	8	1.775
AFR			-	-	-	-	-	0.052	-	-	0.760	-	6	1.011	-	-	-	-	6	1.011
UNIVERSAL HYDRAULIC TEST STAND (2 SYS) (ELECTRIC)	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
European Defense Initiative (EDI)	A		-	-	-	-	-	-	-	-	0.000	0.204	10	2.038	-	-	-	0.204	10	2.038
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	0.000	-	10	2.038	-	-	-	-	10	2.038
Subtotal: Hardware - Hardware End Item Cost			-	-	-	-	-	4.912	-	-	5.797	-	-	9.688	-	-	-	-	-	9.688
Total			-	-	-	-	-	4.912	-	-	5.797	-	-	9.688	-	-	-	-	-	9.688

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 2023 Air Force	Date: April 2022
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1	P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip	Aggregated Items Title: Hydraulic Servicing Equipment
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Remarks:
In FY 2023, European Defense Initiative (EDI) moved from Overseas Contingency Operations (OCO) funds to Baseline funds.

Prior to FY 2023, PMA Other Government Cost activities were included in the program hardware funding. The FY 2023 PMA Other Government Cost funding may 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.

Aircraft Replacement Support Equipment is centrally managed as a common platform and PMA costs are shared.

This capability procures a multitude of related items with different unit costs.

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.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force															Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1										P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip					Aggregated Items Title: JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER (JSECST)				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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		-	-	-	0.470	2	0.940	0.470	4	1.880	-	-	1.618	-	-	-	-	-	1.618
<i>Secondary Distribution</i>																				
AF			-	-	-	-	2	0.940	-	4	1.880	-	-	1.618	-	-	-	-	-	1.618
AFNG			-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
PMA Other Government Costs	A		-	-	-	-	-	0.053	-	-	0.025	-	-	0.025	-	-	-	-	-	0.025
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.053	-	-	0.025	-	-	0.025	-	-	-	-	-	0.025
PMA Other Government Support	A		-	-	-	-	-	-	-	-	0.302	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	0.302	-	-	-	-	-	-	-	-	-
Kit Installations	A		-	-	-	-	-	-	0.004	75	0.300	-	-	0.500	-	-	-	-	-	0.500
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	75	0.300	-	-	0.500	-	-	-	-	-	0.500
Subtotal: Joint Service Electronic Combat Systems Tester (JSECST)			-	-	-	-	-	0.993	-	-	2.507	-	-	2.143	-	-	-	-	-	2.143
Total			-	-	-	-	-	0.993	-	-	2.507	-	-	2.143	-	-	-	-	-	2.143

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

Remarks:

FY23 PMA funding used for the necessary travel associated with fielding the Joint Service Electronic Combat System Tester (JSECST)and for kits install.

FY23 funds required for AN/USM-670A Joint Service Electronic Combat System Testers (JSECST) end item procurement and necessary travel to support procurement and USM-670 to USM 670A kit installation.

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.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force														Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1							P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip							Aggregated Items Title: 'MISC AEROSPACE GROUND EQUIP (AGE)					

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
End Items																				
Various Misc AGE Equipment	A		-	-	-	-	-	3.001	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	3.001	-	-	0.000	-	-	-	-	-	-	-	-	-
Subtotal: End Items			-	-	-	-	-	3.001	-	-	0.000	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	3.001	-	-	0.000	-	-	-	-	-	-	-	-	-

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

Remarks:
 This capability procures a multitude of related items with different unit costs.

 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.

 No FY23 funding requested.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force															Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 1										P-1 Line Item Number / Title: 000071 / Aircraft Replacement Support Equip					Aggregated Items Title: Nondestructive Inspection (NDI) Joint Oil Analysis Program (JOAP)				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
Spectrometer Replacement	A		-	-	-	-	-	7.983	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	7.983	-	-	0.000	-	-	-	-	-	-	-	-	-
AFR			-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
X-Ray Equipment	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AFNG			-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
AFR			-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
Misc NDI Equipment	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AFNG			-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
AFR			-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
Subtotal: Hardware			-	-	-	-	-	7.983	-	-	-									
Support																				
PMA: Other Contractor Services	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
PMA: Other Government Charges	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
Subtotal: Support			-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	7.983	-	-	-									

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

Remarks:
 This capability procures a multitude of related items with different unit costs.

 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.

 PMA OTHER GOVERNMENT COSTS: This line supports the operation of the program office in its management and oversight role via travel, procurement of supplies, studies and Advisory and Administrative Services (A&AS).

 PMA OTHER CONTRACTOR SERVICES: This funding includes provisions for government contract oversight, technical expertise, and program office support associated with the Nondestructive Inspection & Joint Oil Analysis Program.

 No FY23 funding requested.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	1.683	1.651	1.802	-	1.802	1.833	1.868	1.898	0.000	-	10.735
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	1.683	1.651	1.802	-	1.802	1.833	1.868	1.898	0.000	-	10.735
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	1.683	1.651	1.802	-	1.802	1.833	1.868	1.898	0.000	-	10.735

(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) in P-1 line 73 provides maintenance and repair capability for depot-level repairs for the Common VLF/LV Receiver (CVR) Increment 1, 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 CVR Increment 1. ICS also provides travel support and interim repair to new or modified components stemming from the B-2 CVR Increment 1 program until a permanent source of repair has been achieved either organically or through Contractor Depot Maintenance (CDM).

Justification:

ICS will continue to provide interim maintenance and repair capability to B-2 CVR Increment 1 LRUs/SRUs until either an organic repair capability or contractor repair capability is established.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	37.310	38.811	36.325	-	36.325	15.163	15.569	15.864	16.669	-	175.711
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	37.310	38.811	36.325	-	36.325	15.163	15.569	15.864	16.669	-	175.711
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	37.310	38.811	36.325	-	36.325	15.163	15.569	15.864	16.669	-	175.711

(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 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 procurement, replacement, upgrade, test, integration, and shipment of B-2 peculiar support equipment (PSE) and Special Test Equipment (STE) capabilities, associated sub-components, and software development equipment and architecture required for B-2 software development and sustainment activities in support of of AFGSC operational support facilities, Aircraft Program Depot Maintenance, and Test Ranges. 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 test before deployment to the test aircraft and/or the operational fleet.

B-2 Display Modernization will purchase Interim Contractor Support until final maintenance support is determined. Current Statement of Work requests contractor provide three one-year options to repair displays.

Other Post Production Support (PPS) provides funds to procurement, replacement, upgrade, test, integration and shipment of other PSE and STE capabilities, associated support systems and subcomponents, and software development systems and architecture used in B-2 associated laboratories, sustainment depot maintenance activities, test ranges, and AFGSC operational support facilities.

This exhibit Line Item, covers ICS for legacy components, B-2 Display Modernization support as well as WSSC support. ICS for new B-2 modifications is covered in Line Item 73 under B-2A.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)					
P-40a	B-2B				- / -	- / 37.310	- / 38.811	- / 36.325	- / -	- / 36.325
P-40	Total Gross/Weapon System Cost				- / -	- / 37.310	- / 38.811	- / 36.325	- / -	- / 36.325

*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, Category Uncategorized Item BDM; Program Code AP5000, is a new start.

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 and Special Test Equipment capabilities, associated subcomponents, and software development systems and architecture required to support software development and sustainment activities, and other B-2 testing at the WSSC, as well as Program Depot Maintenance, Test Range, and AFGSC support facilities.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2 **P-1 Line Item Number / Title:** B002B0 / B-2B **Aggregated Items Title:** B-2B

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
BDM; Program Code AP5000	A		-	-	-	-	-	-	-	-	-	-	-	0.091	-	-	-	-	-	0.091
Legacy ICS; Program Code ap5000	A		-	-	-	-	-	24.345	-	-	25.839	-	-	22.618	-	-	-	-	-	22.618
WSSC; Program Code bem000	A		-	-	-	-	-	12.965	-	-	12.972	-	-	13.616	-	-	-	-	-	13.616
Subtotal: Uncategorized			-	-	-	-	-	37.310	-	-	38.811	-	-	36.325	-	-	-	-	-	36.325
Total			-	-	-	-	-	37.310	-	-	38.811	-	-	36.325	-	-	-	-	-	36.325

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

Remarks:
Line Item 72 covers ICS for legacy B-2 components, B-2 Display Modernization support, as well as WSSC support. ICS for new B-2 modifications is covered in Line Item 71.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	1.034	3.602	5.883	-	5.883	0.106	0.109	0.110	0.112	-	10.956
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	1.034	3.602	5.883	-	5.883	0.106	0.109	0.110	0.112	-	10.956
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	1.034	3.602	5.883	-	5.883	0.106	0.109	0.110	0.112	-	10.956

(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-52H Combat Network Communication Technology (CONNECT) acquisition project supports nuclear and conventional operations by upgrading the B-52H fleet with data and voice communications capabilities along with improved threat and situational awareness to support participation in network centric operations. This CONNECT modification includes procurement of 74 aircraft kits + 2 EMD kits that will be installed in conjunction with Programmed Depot Maintenance (PDM). Ground station mission planning hardware, support equipment, initial spares, and Interim Contractor Support (ICS) will be procured. Additional initial support/readiness efforts will develop and upgrade B-52H training devices with CONNECT functionality. The CONNECT training device upgrades provide full CONNECT functionality to support aircrew training. The Aircrew Training Devices (ATDs) include three B-52H Weapon System Trainers (WST) and two Offensive Station Mission Trainers (OSMT), and the upgrades will also be installed in the Systems Integration Lab (SIL). The Other Government Cost line includes, but is not limited to, Diminishing Manufacturing Sources (DMS) and Material Shortages (DMSMS) costs to maintain the production configuration through the identification, review and monitoring of items with high obsolescence risk potential, classification of identified items according to criticality, identification of alternatives and implementation of resolutions. Resolutions may include non-recurring engineering (NRE) and/or replacement costs for DMSMS components, bridge buys of DMSMS components until NRE can be completed or Life of Type buys, whichever is most appropriate. Included in the Support Equipment line is the planning for establishment of an organic Depot capability, stand-up of the depot, procurement of depot equipment and procurement of the CONNECT ground station.

Funds may be used to address emerging and short-notice DMSMS issues. DMSMS 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. Funds may be used to resolve emerging safety of flight issues, accommodate technology insertion and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

CONNECT installation completed in FY21 for the entire B-52 fleet of 76 aircraft.

Post Production Support funds ICS until the depot is established for CONNECT. DMSMS costs support maintaining the production configuration through the identification, review, and monitoring of items with high obsolescence risk potential, classification of identified items according to criticality, identification of alternatives, and the implementation of resolutions.

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 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)					
P-40a	B-52				- / -	- / 1.034	- / 3.602	- / 5.883	- / -	- / 5.883
P-40	Total Gross/Weapon System Cost				- / -	- / 1.034	- / 3.602	- / 5.883	- / -	- / 5.883

*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:

FY23 Post Production Support funds Interim Contract Support (ICS), which is required until the depot is established for CONECT (4QFY23).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2 **P-1 Line Item Number / Title:** B05200 / B-52 **Aggregated Items Title:** B-52

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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		-	-	-	-	-	0.098	-	-	-	-	-	-	-	-	-	-	-	
B-52 CONECT ICS	A		-	-	-	-	-	0.936	-	-	3.602	-	-	5.883	-	-	-	-	5.883	
Subtotal: Uncategorized			-	-	-	-	-	1.034	-	-	3.602	-	-	5.883	-	-	-	-	5.883	
Total			-	-	-	-	-	1.034	-	-	3.602	-	-	5.883	-	-	-	-	5.883	

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 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	2.632	2.324	2.764	-	2.764	0.000	0.000	0.000	0.000	-	7.720
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	2.632	2.324	2.764	-	2.764	0.000	0.000	0.000	0.000	-	7.720
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	2.632	2.324	2.764	-	2.764	0.000	0.000	0.000	0.000	-	7.720

(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-15E 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 support equipment and tooling to include 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.

The FY2022 funding request was reduced by \$.315 million to account for the availability of prior year execution balances

Justification:

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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
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		
<p>IATs Funding provides continued support of the Electronic Systems Test Set (ESTS). Grounding of aircraft would result without this repair support.</p> <p>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.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	13.484	10.456	5.102	-	5.102	9.715	10.397	10.568	10.797	-	70.519
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	13.484	10.456	5.102	-	5.102	9.715	10.397	10.568	10.797	-	70.519
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	13.484	10.456	5.102	-	5.102	9.715	10.397	10.568	10.797	-	70.519

(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, production tooling storage management, 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 2023 Air Force **Date:** April 2022

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

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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				- / -	- / 13.484	- / 10.456	- / 5.102	- / -	- / 5.102
P-40	Total Gross/Weapon System Cost				- / -	- / 13.484	- / 10.456	- / 5.102	- / -	- / 5.102

*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 for F-16 Modification programs: Active Electronically Scanned Array (AESA), Modular Mission Computer/Programmable Display Generator (MMC/PDG), Comm Suite Upgrade, AGCAS, Integrated Viper Electronic Warfare Suite (IVEWS) and activities associated with F-16 Production Line Shutdown.

Funding for the Production Tooling Storage Management contracts is essential to the F-16 Program as it requires specialized engineering services to ensure continued fleet support capability during, and beyond production lines. 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. 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 tear-down, shipping and storage of unique aircraft manufacturing equipment.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
Production Tooling Storage Management	A		-	-	-	-	-	0.444	-	-	-	-	-	0.500	-	-	-	-	-	0.500
AESA	A		-	-	-	-	-	6.509	-	-	2.846	-	-	0.079	-	-	-	-	-	0.079
Mode 5	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avionics PGSE	A		-	-	-	-	-	5.161	-	-	5.787	-	-	3.159	-	-	-	-	-	3.159
AGCAS	A		-	-	-	-	-	-	-	-	0.597	-	-	-	-	-	-	-	-	-
Digital Radar Warning Receiver	A		-	-	-	-	-	1.243	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Viper Electronic Warfare Suite	A		-	-	-	-	-	-	-	-	-	-	-	0.678	-	-	-	-	-	0.678
Production Line Shutdown	A		-	-	-	-	-	0.000	-	-	0.485	-	-	-	-	-	-	-	-	-
MMC/PDG	A		-	-	-	-	-	-	-	-	0.382	-	-	0.398	-	-	-	-	-	0.398
Comm Suite Upgrade	A		-	-	-	-	-	0.127	-	-	0.359	-	-	0.288	-	-	-	-	-	0.288
Subtotal: Uncategorized			-	-	-	-	-	13.484	-	-	10.456	-	-	5.102	-	-	-	-	-	5.102
Total			-	-	-	-	-	13.484	-	-	10.456	-	-	5.102	-	-	-	-	-	5.102

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 2023 Air Force **Date:** April 2022

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

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	4.595	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	4.595
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	4.595	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	4.595
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	4.595	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	4.595

(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 Virtual Test and Training Center (VTTC) program delivers a virtual and constructive battlespace to include simulators, communications, and network infrastructure. The VTTC battlespace is a secure synthetic environment of interconnected systems supporting events and exercises. It provides high-end advanced training and tactics capabilities. One of the key components of the VTTC objective is the Man-in-the-Loop (MITL) stations, which will provide a manned adversary to train our warfighters.

Funding for this exhibit contained in PE 0207701F.

Justification:

No FY 2022 funding requested.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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:
 PRDTB5 / MQ9 Post Prod

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	0.000	7.069	-	7.069	0.000	0.000	0.000	0.000	-	7.069
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	0.000	7.069	-	7.069	0.000	0.000	0.000	0.000	-	7.069
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	0.000	7.069	-	7.069	0.000	0.000	0.000	0.000	-	7.069

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

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

Description:

MQ-9 Reaper post production support 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, 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 Ground Control Station (GCS) configurations to be tailored to fit mission needs.

MQ-9 post-production funds will be used to address, but not limited to, emerging and short notice DMS and DMSMS issues that affect safety of flight associated with legacy ground and air segment equipment, accommodate technology insertion, and fulfill FAA or other mandates necessary to ensure continued aircrew safety and mission effectiveness. Funds may also be used for Interim Contract Support, production tooling storage management, and production line shutdown activities.

Funding for this exhibit contained in PE 0205219F. In CY 2023, MQ-9 Reaper post production support was a new start.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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:
 PRDTB5 / MQ9 Post Prod

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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	MQ9 Post Prod				- / -	- / 0.000	- / 0.000	- / 7.069	- / -	- / 7.069
P-40	Total Gross/Weapon System Cost				- / -	- / 0.000	- / 0.000	- / 7.069	- / -	- / 7.069

*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, Category Uncategorized Item MQ-9, is a new start.

MQ-9 post-production funds will be used to address, but not limited to, emerging and short notice DMS and DMSMS issues that affect safety of flight associated with legacy ground and air segment equipment, specifically Emergency Line of Sight aircraft control. Funds may also be used to accommodate technology insertion, Interim Contract Support, production tooling storage management, and fulfill FAA or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 2	P-1 Line Item Number / Title: PRDTB5 / MQ9 Post Prod	Aggregated Items Title: MQ9 Post Prod
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
MQ-9	A		-	-	-	-	-	0.000	-	-	0.000	-	-	7.069	-	-	-	-	-	7.069
Subtotal: Uncategorized			-	-	-	-	-	0.000	-	-	0.000	-	-	7.069	-	-	-	-	-	7.069
Total			-	-	-	-	-	0.000	-	-	0.000	-	-	7.069	-	-	-	-	-	7.069

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

Remarks:
MQ-9 Reaper post production support 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, 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 Ground Control Station (GCS) configurations to be tailored to fit mission needs.

MQ-9 post-production funds will be used to address, but not limited to, emerging and short notice DMS and MSMS issues that affect safety of flight associated with legacy ground and air segment equipment, accommodate technology insertion, and fulfill FAA or other mandates necessary to ensure continued aircrew safety and mission effectiveness. Funds may also be used for Interim Contract Support, production tooling storage management, and production line shutdown activities.

Funding for this exhibit contained in PE 0205219F.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	1.750	24.592	40.845	-	40.845	26.090	0.000	0.000	0.000	-	93.277
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	1.750	24.592	40.845	-	40.845	26.090	0.000	0.000	0.000	-	93.277
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	1.750	24.592	40.845	-	40.845	26.090	0.000	0.000	0.000	-	93.277

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

Initial Spares (<i>\$ in Millions</i>)	-	3.300	-	-	-	-	-	-	-	-	-	3.300
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

USAF divested the Block 20 aircraft in FY21 and is planning to divest Block 30 aircraft in FY22. To maximize value to the USAF and DoD, FY23 efforts will be pivoted to focus on supporting the Block 40 fleet and Block 30 closeout actions.

RQ-4 post production 3010 Budget Program (BP) 13 funding supports the procurement and fielding of the Ground Segment Modernization Program (GSMP), Other Government Costs (OGCs), mission support, satellite communication infrastructure, technology insertion activities, contract closeout, and production closeout costs.

Ground Segment Modernization Program (GSMP) supports production and fielding of a modernized Ground Segment in support of the life cycle. The GSMP resolves fleet grounding Diminishing Manufacturing Sources (DMS) and obsolescence issues associated with legacy ground segment equipment and provides critical warfighter capabilities such as building-based multi-aircraft control. It will also enhance interoperability and data dissemination and provide increased cybersecurity measure. GSMP integrates previous modifications and improvements to the Global Hawk weapon system and will employ the USAF Unmanned Aerial System (UAS) Command and Control Initiative (UCI) and the DoD's Unmanned Control Segment standards (UCS), using a service-oriented open architecture approach. GSMP consists of two CONUS instantiations, one each at Beale AFB, CA and Grand Forks AFB, ND.

GSMP will provide the ability to fly 10+ aircraft per CONUS location replacing the current trailer cockpits/Mission Control Elements. Projected fielding is 2QFY23 following OT in Q1FY23.

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

Funding for this exhibit 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 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost <i>(Each) / (\$ M)</i>					
P-5	GSMP		B		- / -	- / -	- / 17.900	- / 31.900	- / -	- / 31.900
P-5	RQ-4 Post Production Charges		B		- / -	- / 1.750	- / 6.692	- / 8.945	- / -	- / 8.945
P-40	Total Gross/Weapon System Cost				- / -	- / 1.750	- / 24.592	- / 40.845	- / -	- / 40.845

*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:
 FY23 RQ-4 GSMP funding will be utilized for GSMP fielding

FY23 RQ-4 post-production funds may also be used for contract closeout, sustaining engineering ramp down, mission support, production closeout costs, DMS resolution, Other Government Costs, and other related costs.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
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]: GSMP

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	17.900	31.900	-	31.900
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	17.900	31.900	-	31.900
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	17.900	31.900	-	31.900

(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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - GSMP Cost																		
Recurring Cost																		
Ground Segment Units	-	-	-	-	-	-	-	-	15.800	-	-	31.900	-	-	-	-	-	31.900
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	15.800	-	-	31.900	-	-	-	-	-	31.900
Subtotal: Hardware - GSMP Cost	-	-	-	-	-	-	-	-	15.800	-	-	31.900	-	-	-	-	-	31.900
Support - GSMP Cost																		
Trainer	-	-	-	-	-	-	-	-	2.100	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - GSMP Cost</i>	-	-	-	-	-	-	-	-	2.100	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	17.900	-	-	31.900	-	-	-	-	-	31.900

Remarks:

This project supports production and fielding of a modernized Ground Segment in support of the life cycle use of commercially available sub-systems. The Ground Segment Modernization Program (GSMP) resolves fleet grounding Diminishing Manufacturing Sources (DMS) and obsolescence issues associated with legacy ground segment equipment and provides critical warfighter capabilities such as building-based multi-aircraft control. It will also enhance interoperability and data dissemination and provide increased cybersecurity measures. GSMP integrates previous modifications and improvements to the Global Hawk weapon system and will employ the USAF Unmanned Aerial System (UAS) Command and Control Initiative (UCI) and the DoD's Unmanned Control Segment standards (UCS), using a service-oriented open architecture approach.

FY23 funds within this exhibit are being utilized for GSMP fielding, trainers in support of GSMP and ICS.

DT completed: Q3 FY22
Projected OT completion: Q1 FY23

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
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]: GSMP
ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:	

Funding for this exhibit contained in PE 0305220F.

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Exhibit P-5, Cost Analysis: PB 2023 Air Force		Date: April 2022
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 Post Production Charges

ID Code (A=Service Ready, B=Not Service Ready) : B				MDAP/MAIS Code:					
Resource Summary				Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Procurement Quantity (<i>Units in Each</i>)				-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)				-	1.750	6.692	8.945	-	8.945
Less PY Advance Procurement (<i>\$ in Millions</i>)				-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)				-	1.750	6.692	8.945	-	8.945
Plus CY Advance Procurement (<i>\$ in Millions</i>)				-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)				-	1.750	6.692	8.945	-	8.945
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (<i>\$ in Millions</i>)				-	3.300	0.000	-	-	-
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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 - RQ-4 Post Production Support Cost																		
Other Government Costs	-	-	-	-	-	0.750	-	-	1.000	-	-	1.000	-	-	-	-	-	1.000
PSC Contractor Services	-	-	-	-	-	1.000	-	-	5.692	-	-	7.945	-	-	-	-	-	7.945
<i>Subtotal: Support - RQ-4 Post Production Support Cost</i>	-	-	-	-	-	1.750	-	-	6.692	-	-	8.945	-	-	-	-	-	8.945
Gross/Weapon System Cost	-	-	-	-	-	1.750	-	-	6.692	-	-	8.945	-	-	-	-	-	8.945

Remarks:
FY23 RQ-4 post-production funds may be used for mission support, production closeout costs, DMS resolution, Other Government Costs, and other related costs.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	18.215	18.110	19.128	-	19.128	19.470	19.825	20.150	20.587	-	135.485
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	18.215	18.110	19.128	-	19.128	19.470	19.825	20.150	20.587	-	135.485
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	18.215	18.110	19.128	-	19.128	19.470	19.825	20.150	20.587	-	135.485

(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, safe, 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 (3000), Industrial Base Assessments (6000), Environmental Compliance (7000), and Pollution Prevention (6044).

Industrial Facility Capital Type Rehabilitation cost element (MPC 3000) provides for repair and expansion, major capital rehabilitation, construction, demolition, equipment, real property directives (appraisals, easements, physical condition reports, etc.) and energy conservation to ensure AF government-owned, contractor-operated (GOCO) industrial facilities remain operationally safe, secure, suitable and effective to meet the nation's weapon system industry needs. These plants are the backbone of defense weapon system assembly and maintenance for the B-2, B-21, U-2, C-130J, RQ-4 Global Hawk, F-35 Joint Strike Fighter and classified programs and it is the intent of Congress (10USC 2535) to provide an essential nucleus of government owned industrial plants.

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 and Service industrial base planning on shared commodities, technologies, and facilities.

Environmental Compliance cost element (MPC 7000) provides for the efforts needed to maintain environmental compliance with federal, state, and local regulatory requirements regarding operation of the AF government-owned contractor-operated (GOCO) industrial facilities. The environmental compliance program includes efforts to enhance compliance through pollution prevention reducing controlled emissions and use of hazardous materials. Environmentally compliant industrial facilities enable production to continue and grow to meet our nation's weapon system needs and avoid the risk of shutdown due to non-compliance, cleanup costs and penalties from Federal, State and Local regulators.

Pollution Prevention (P2) cost element (MPC 6044) at AF government-owned, contractor-operated (GOCO) facilities implements the Pollution Prevention program that reduces emissions to air, land, and water, reduces AF cost as facility owner. Implements Environmental Safety and Occupational Health (ESOH) risk management that reduces weapon systems' risk impacts and life cycle costs. Includes qualification of improved processes, materials and equipment; energy conservation initiatives; P2 opportunity assessments; and recovery/recycling to minimize hazardous waste. Program results are shared across DOD.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force		Date: April 2022
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		
Activities support AF goals under Activities support AF goals under the Federal Pollution Prevention Act, AF/CV and SAF/IE Policy on P2 and Waste Elimination, USD (AT and L) hexavalent chromium reduction policy, and Resource Conservation and Recovery Act.		

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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				- / -	- / 18.215	- / 18.110	- / 19.128	- / -	- / 19.128
P-40	Total Gross/Weapon System Cost				- / -	- / 18.215	- / 18.110	- / 19.128	- / -	- / 19.128

*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:
 FY2023 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 2023 Air Force **Date:** April 2022

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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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		-	-	-	-	-	2.463	-	-	2.410	-	-	2.503	-	-	-	-	-	2.503
Capital Type Rehabilitation (MPC 3000)	A		-	-	-	-	-	7.346	-	-	7.405	-	-	7.781	-	-	-	-	-	7.781
Industrial Base Assessment (MPC 6000)	A		-	-	-	-	-	1.046	-	-	1.020	-	-	1.064	-	-	-	-	-	1.064
Environmental Compliance (MPC 7000)	A		-	-	-	-	-	7.360	-	-	7.275	-	-	7.780	-	-	-	-	-	7.780
Subtotal: Uncategorized			-	-	-	-	-	18.215	-	-	18.110	-	-	19.128	-	-	-	-	-	19.128
Total			-	-	-	-	-	18.215	-	-	18.110	-	-	19.128	-	-	-	-	-	19.128

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 2023 Air Force **Date:** April 2022

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
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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: 0207040F, 0305116F
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	32.046	35.866	31.165	-	31.165	31.902	32.676	33.441	34.388	-	231.484
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	32.046	35.866	31.165	-	31.165	31.902	32.676	33.441	34.388	-	231.484
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	32.046	35.866	31.165	-	31.165	31.902	32.676	33.441	34.388	-	231.484

(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 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.

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.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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	Aerial Targets				- / -	- / 4.757	- / 4.759	- / 4.994	- / -	- / 4.994
P-40a	Multi-Platform Electronic Warfare Equipment				- / -	- / 27.289	- / 31.107	- / 26.171	- / -	- / 26.171
P-40	Total Gross/Weapon System Cost				- / -	- / 32.046	- / 35.866	- / 31.165	- / -	- / 31.165

*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: FY23 funds procure all system components: decoys, canisters, and explosive cartridges to deploy the decoys

 Items Less Than 5M: FY23 funding required to procure RATO booster(HB32), initiator (HB31), MK17 igniter (M934) and H1.4 Cutters.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 4 **P-1 Line Item Number / Title:** 000074 / War Consumables **Aggregated Items Title:** Aerial Targets

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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 booster (HB32) and initiator (HB31)	A		-	-	-	0.038	118	4.527	0.037	121	4.505	0.030	155	4.633	-	-	-	0.030	155	4.633
H1.4 Cutter	A		-	-	-	0.000	1,832	0.230	0.000	1,832	0.254	-	-	0.000	-	-	-	-	-	0.000
MK17 (M934)	A		-	-	-	-	-	-	-	-	-	0.000	1,000	0.263	-	-	-	0.000	1,000	0.263
PMA	A		-	-	-	-	-	-	-	-	-	-	-	0.098	-	-	-	-	-	0.098
Subtotal: Uncategorized			-	-	-	-	-	4.757	-	-	4.759	-	-	4.994	-	-	-	-	-	4.994
Total			-	-	-	-	-	4.757	-	-	4.759	-	-	4.994	-	-	-	-	-	4.994

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-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force															Date: April 2022				
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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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		-	-	-	0.056	484	27.289	0.064	484	31.107	0.056	470	26.171	-	-	-	0.056	470	26.171
Subtotal: Hardware			-	-	-	-	-	27.289	-	-	31.107	-	-	26.171	-	-	-	-	-	26.171
Total			-	-	-	-	-	27.289	-	-	31.107	-	-	26.171	-	-	-	-	-	26.171

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

Remarks:
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.

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Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force **Date:** April 2022

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): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207439F

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	1,244.780	1,163.878	1,047.300	-	1,047.300	1,640.349	2,083.633	1,760.976	1,884.674	-	10,825.590
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	1,244.780	1,163.878	1,047.300	-	1,047.300	1,640.349	2,083.633	1,760.976	1,884.674	-	10,825.590
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	1,244.780	1,163.878	1,047.300	-	1,047.300	1,640.349	2,083.633	1,760.976	1,884.674	-	10,825.590

(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 include funding for Electronic Attack pods, and associated test equipment; B-2, F-15E, F-15 EPAWSS and F-22 Depot Core Activation, Aerial Targets, Maintenance Support Vehicles or Equipment 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, 0207040F, 0207171F, 0207134F, 0207138F, 0205219F, 0207249F, 0305116F, 0305220F, 0401119F, 0604735F, 0701212F and 1203001F.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Air Force	Date: April 2022
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): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0207439F
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 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	Automated Test Systems				- / -	- / 0.000	- / 11.613	- / 3.034	- / -	- / 3.034
P-40a	B-2 Squadrons				- / -	- / 22.621	- / 17.636	- / 20.320	- / -	- / 20.320
P-40a	Advanced Program Evaluation				- / -	- / 956.431	- / 885.973	- / 887.544	- / -	- / 887.544
P-40a	Combat Training Range Equipment				- / -	- / 3.495	- / 14.784	- / 21.973	- / -	- / 21.973
P-40a	Multi-Platform Electronic Warfare Equipment				- / -	- / 22.967	- / 7.421	- / 0.000	- / -	- / 0.000
P-40a	Electronic Warfare Integrated Reprogramming (EWIR)				- / -	- / 3.026	- / 3.803	- / 3.992	- / -	- / 3.992
P-40a	F-15 EPAWSS				- / -	- / 15.058	- / 48.823	- / -	- / -	- / -
P-40a	F-15A/B/C/D Squadrons				- / -	- / 1.498	- / 1.468	- / 0.000	- / -	- / 0.000
P-40a	F-15E Squadrons				- / -	- / 97.256	- / 19.450	- / 0.000	- / -	- / 0.000
P-40a	F-22A Squadrons				- / -	- / 34.012	- / 20.728	- / 30.667	- / -	- / 30.667
P-40a	MQ-9 UAV				- / -	- / 26.585	- / 26.596	- / 0.004	- / -	- / 0.004
P-40a	Precision Attack Systems Procurement				- / -	- / 0.000	- / 24.000	- / 0.000	- / -	- / 0.000
P-40a	RQ-4 UAV				- / -	- / 0.000	- / 10.788	- / -	- / -	- / -
P-40a	Service Support to NATO AEW&C Program				- / -	- / 45.335	- / 54.345	- / 57.418	- / -	- / 57.418
P-40a	Aerial Targets				- / -	- / 16.495	- / 16.450	- / 17.188	- / -	- / 17.188
P-40a	Advanced Pilot Training System T-7A				- / -	- / 0.000	- / 0.000	- / 5.160	- / -	- / 5.160
P-40	Total Gross/Weapon System Cost				- / -	- / 1,244.780	- / 1,163.878	- / 1,047.300	- / -	- / 1,047.300

*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, Other Production Charges P-40A Category Uncategorized Item B-2 BDM, is a new start.
 This program, Other Production Charges P-40A Category TX Item Advanced Pilot Trainer Procurement, is a new start.

The major efforts supported include funding for Electronic Attack pods, and associated test equipment; B-2, F-15E and F-22 Depot Core Activation; RQ-4, Aerial Targets, and Combat Training Range Equipment (CTRE) to include P6 Combat Training System (P6 CTS).

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: Automated Test Systems
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
Automated Test Systems																				
Bomber Armament Tester (BAT)	A		-	-	-	-	-	0.000	-	-	11.613	-	-	3.034	-	-	-	-	-	3.034
Subtotal: Automated Test Systems			-	-	-	-	-	0.000	-	-	11.613	-	-	3.034	-	-	-	-	-	3.034
Total			-	-	-	-	-	0.000	-	-	11.613	-	-	3.034	-	-	-	-	-	3.034

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

Remarks:

Bomber Armament Tester (BAT) is a nuclear certified common tester capable of testing on-aircraft Stores Management Systems and Line Replacement Units both on-and off-aircraft. The BAT System will test functionality of the Armament Mission Equipment (AME) that is required for B-2A, B-1B, and B-52H weapons delivery.

FY23 funding will be used for core tester and Test Program Set (TPS) depot activation. Without this funding, the BAT program will be dependent on contract repair, increasing life cycle sustainment costs.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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-2 BDM	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.395	0.395
B-2 STE	A		-	-	-	-	-	22.621	-	-	17.636	-	-	19.925	-	-	-	-	-	19.925
Subtotal: Uncategorized			-	-	-	-	-	22.621	-	-	17.636	-	-	20.320	-	-	-	-	-	20.320
Total			-	-	-	-	-	22.621	-	-	17.636	-	-	20.320	-	-	-	-	-	20.320

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

Remarks:
 FY23 funds will be used to achieve B-2 Depot Activation and contractor Special Test Equipment (STE) modernization. Depot Activation is the program to transition legacy and B-2 modification components to organic depot repair from contract depot repair as directed by HQ AFMC via the Source of Repair Assignment (SORA) process. Depot Activation funding support all product support elements (such as technical data, support equipment, supply support, training and facilities) required to establish organic repair capability on B-2 avionics and mechanical components. The STE modernization effort modernizes, refurbishes and/or replaces obsolete Government Furnished Property (GFP) used by contractors to perform depot repairs on B-2 components. The existing STE used by contractors was built for the B-2 production contract and has become obsolete over the past 30 years. Also, the B-2 program did not provide STE to the contractor or establish an initial depot repair capability. This STE effort is in place to ensure depot repair capabilities exist at the assigned contractors.

BDM FY23 funding will be used to achieve Depot Stand-up activities. The activities are Depot Planning & Analysis, and Depot Activation. Initial planning efforts and assessments determine the data, training, equipment, and so forth that the Air Force needs to acquire in order to establish a specific organic capability. Depot Activation phase will purchase the data, training resources ,hardware/software and other required items outlined in the Depot Planning and Analysis phase.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: Advanced Program Evaluation
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
Classified Programs	A		-	-	-	-	-	956.431	-	-	885.973	-	-	887.544	-	-	-	-	-	887.544
Subtotal: Uncategorized			-	-	-	-	-	956.431	-	-	885.973	-	-	887.544	-	-	-	-	-	887.544
Total			-	-	-	-	-	956.431	-	-	885.973	-	-	887.544	-	-	-	-	-	887.544

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.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
P6 Combat Training System																				
P6 Combat Training System Pods	A		-	-	-	-	-	-	1.115	13	14.490	1.084	20	21.679	-	-	-	1.084	20	21.679
Subtotal: P6 Combat Training System			-	-	-	-	-	-	-	-	14.490	-	-	21.679	-	-	-	-	-	21.679
P5 Combat Training system																				
P5 Combat Training System Equipment Spares	A		-	-	-	-	-	3.495	-	-	0.294	-	-	0.294	-	-	-	-	-	0.294
Subtotal: P5 Combat Training system			-	-	-	-	-	3.495	-	-	0.294	-	-	0.294	-	-	-	-	-	0.294
Total			-	-	-	-	-	3.495	-	-	14.784	-	-	21.973	-	-	-	-	-	21.973

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

Remarks:

P5 Combat Training System (P5 CTS) provides instrumentation required to train aircrews in air-to-air, air-to-ground, and ground-to-air combat under simulated combat conditions in any available airspace worldwide. The P5 CTS is comprised of 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 2032. The P5 CTS program requires a small 3010F investment over the FYDP to address pod attrition and Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues that cannot be addressed with O&M.

P5 CTS funds may be used but are not limited to addressing product Diminishing Manufacturing Sources and Material Shortages (DMSMS) and obsolescence issues through studies, bridge buys, life of type buys, supplier parts replacement and qualification activities to preserve future production capabilities and capacities.

P6 Combat Training System (P6 CTS) will replace the P5 CTS which is nearing end of life. P6 CTS will resolve existing critical training capability gaps and will enable comprehensive, realistic training environments for 4th Gen - 5th Gen aircraft systems. Key features of P6 CTS include a trusted Operating System, Multiple Level Security (MLS) architecture, Type 1 encryption of over-air data and increased processing capability. When paired with other recent and planned range infrastructure modernization, P6 CTS investment will realize robust Air-to-Air and Air-to-Ground combat training and provide a growth path to Live-Virtual-Constructive (LVC) and other future training enhancements.

P6 CTS funds will support but is not limited to the purchase of P6 CTS Air Subsystem (a.k.a. pods) and associated spares. Funds may also be used for program support to manage procurement activities.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force															Date: April 2022				
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							

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
EW POD	A		-	-	-	-	-	22.967	-	-	0.000	-	-	-	-	-	-	-	-	-
Spectrum Warfare Attack Capability (SWAC)	A		-	-	-	-	-	-	-	-	7.421	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Uncategorized			-	-	-	-	-	22.967	-	-	7.421	-	-	0.000	-	-	-	-	-	0.000
Total			-	-	-	-	-	22.967	-	-	7.421	-	-	0.000	-	-	-	-	-	0.000

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

Remarks:

Funding required for A-10 and F-16 Electronic Attack pods and associated test equipment. This equipment is used to counter adversary ground and airborne radar systems used to detect and target Air Force aircraft.

The Spectrum Warfare Attack Capability (SWAC) is not a new effort. This is to go after existing alternatives (i.e. Angry Kitten Pod) for the Electronic Warfare Pod Upgrade Program that meet the three capabilities: rapidly re-programmable, open system architecture, and Software defined functionality. The Angry Kitten Pod is a suitable pod alternative for the Electronic Warfare Pod Upgrade Program.

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

No funding requested for FY23.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force															Date: April 2022				
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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
EWIR																				
Electronic Warfare Integrated Reprogramming (EWIR)	A		-	-	-	-	-	3.026	-	-	3.803	-	-	3.992	-	-	-	-	-	3.992
Subtotal: EWIR			-	-	-	-	-	3.026	-	-	3.803	-	-	3.992	-	-	-	-	-	3.992
Total			-	-	-	-	-	3.026	-	-	3.803	-	-	3.992	-	-	-	-	-	3.992

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

Remarks:
FY23 funding procures equipment and aircraft system components to provide critical reprogramming of Electronic Warfare (EW) systems for all Air Force and Foreign Military Sales customers.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: F-15 EPAWSS
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
F-15 EPAWSS																				
F-15 EPAWSS	A		-	-	-	-	-	15.058	-	-	48.823	-	-	-	-	-	-	-	-	
Subtotal: F-15 EPAWSS			-	-	-	-	-	15.058	-	-	48.823	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	15.058	-	-	48.823	-	-	-	-	-	-	-	-	

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

Remarks:

Funding is required to comply with Title 10 USC Section 2464, Core Logistics Capabilities and Title 10 USC Section 2466, which mandate standup of an organic USG depot maintenance/repair capability No Later Than (NLT) Initial Operating Capability (IOC) + 4 years. Specifically, Funds will enable the Depot Maintenance Activation Working Group (DMAWG)/Depot Maintenance Activation Team (MAPT) activities. The DMAWG/MAPT are performing a Depot Gap Analysis to determine what additional capability, facilities, infrastructure, equipment, technical data, and training are required to stand up the USG organic depot capability. Additionally, funds will be used to develop comprehensive Technical Requirements Documents (TRDs) that identify how repairs will be performed on each EPAWSS component. Lack of funding will delay activation of the organic depot capability, increase the duration/cost of Interim Contractor Support (ICS), and put at-risk the program's ability to adhere to Title 10 mandates.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: F-15A/B/C/D Squadrons
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
Mode 5 Program Office Estimate	A		-	-	-	-	-	1.498	-	-	1.468	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Uncategorized			-	-	-	-	-	1.498	-	-	1.468	-	-	0.000	-	-	-	-	-	0.000
Total			-	-	-	-	-	1.498	-	-	1.468	-	-	0.000	-	-	-	-	-	0.000

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-15C is a single seat, twin engine, supersonic, all-weather, day/night, air-superiority fighter. Mode 5 is a secure Air-to-Air Interrogator/Identification Friend-or-Foe (AAI/IFF) system for identifying friendly aircraft. Mode 5 will provide vastly improved performance with a robust encryption scheme.

No FY23 funding requested.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: F-15E Squadrons
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
APG-82(V)1 Depot Standup Program Office Estimate	A		-	-	-	-	-	97.256	-	-	19.450	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Uncategorized			-	-	-	-	-	97.256	-	-	19.450	-	-	0.000	-	-	-	-	-	0.000
Total			-	-	-	-	-	97.256	-	-	19.450	-	-	0.000	-	-	-	-	-	0.000

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.

FY22 funding 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).

No FY23 funding requested.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: F-22A Squadrons
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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-22 A Squadrons	A		-	-	-	-	-	34.012	-	-	20.728	-	-	30.667	-	-	-	-	-	30.667
Subtotal: Uncategorized			-	-	-	-	-	34.012	-	-	20.728	-	-	30.667	-	-	-	-	-	30.667
Total			-	-	-	-	-	34.012	-	-	20.728	-	-	30.667	-	-	-	-	-	30.667

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

Remarks:

FY23 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 including 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. Open Systems Architecture (OSA)/Open Radio Architecture (ORA) chassis and equipment, and the Open Software Enclave (OSE) are supported by a government lab.

Determined attempts to deny US air superiority from peer threats within the Indo-Pacific region have increased the need for investments and activities to build forces that are lethal, resilient, ready, and postured to respond quickly and effectively against aggression. The F-22 Raptor is a key component of these efforts and necessary for increasing joint force lethality and maintaining a credible deterrent in theater.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
MQ-9	A		-	-	-	-	-	26.585	-	-	26.596	-	-	0.004	-	-	-	-	-	0.004
Subtotal: Uncategorized			-	-	-	-	-	26.585	-	-	26.596	-	-	0.004	-	-	-	-	-	0.004
Total			-	-	-	-	-	26.585	-	-	26.596	-	-	0.004	-	-	-	-	-	0.004

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

Remarks:
 FY23 funding 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.

These FY23 funds were realigned to M2DO efforts.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
Precision Attack Systems	A		-	-	-	-	-	0.000	-	-	24.000	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Uncategorized			-	-	-	-	-	0.000	-	-	24.000	-	-	0.000	-	-	-	-	-	0.000
Total			-	-	-	-	-	0.000	-	-	24.000	-	-	0.000	-	-	-	-	-	0.000

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, larger aperture, combat identification, laser spot tracker, infrared marker, and real-time video data link for connectivity with ground forces. ATP capabilities, such as high resolution imagery, larger aperture, 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.

FY22 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, modification and integration efforts, Interim Contractor Logistics (ICS) support, containers, site activations, technical data packages, depot startup and program management support. Laser Infrared Targeting and Navigating (LITENING) ATPs are currently used by the active duty, Air National Guard (ANG), and Air Force Reserve Command (AFRC).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
RQ-4 UAV	A		-	-	-	-	-	-	-	-	10.788	-	-	-	-	-	-	-	-	
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	10.788	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	-	-	-	10.788	-	-	-	-	-	-	-	-	

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

Remarks:

FY22 funding required for Global Hawk RQ-4 depot activation, including the procurement of depot repair equipment, spares, depot level technical data, technical data rights, training, and other activities (i.e gap analysis) related to the prioritization and implementation of organic depot repair capability for compliance to 10 USC 2464 and the respective depot source of repair decisions.
Funds support RQ-4 Depot Activation activities such as Depot Source of Repair, Life Cycle Sustainment Plan and Business Case Analysis for GSMP

Not a New Start.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force														Date: April 2022					
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 AEW&C Program					

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
NATO AWACS-Modernization Projects	A		-	-	-	-	-	45.335	-	-	54.345	-	-	57.418	-	-	-	-	-	57.418
Subtotal: Uncategorized			-	-	-	-	-	45.335	-	-	54.345	-	-	57.418	-	-	-	-	-	57.418
Total			-	-	-	-	-	45.335	-	-	54.345	-	-	57.418	-	-	-	-	-	57.418

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

Remarks:

FY22 funding required for NATO E-3 aircraft which provides 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 the Final Lifetime Extension Program (FLEP) 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. The Final Lifetime Extension Program efforts include but are not limited to projects that will enable the aircraft to maintain airspace access, ensure continued interoperability with the USAF AWACS, meet emerging military requirements and sustain the NATO fleet for the future needs of NATO to at least 2035.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

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 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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																				
Aerial Targets	A		-	-	-	-	-	16.495	-	-	16.450	-	-	17.188	-	-	-	-	-	17.188
Subtotal: Uncategorized			-	-	-	-	-	16.495	-	-	16.450	-	-	17.188	-	-	-	-	-	17.188
Total			-	-	-	-	-	16.495	-	-	16.450	-	-	17.188	-	-	-	-	-	17.188

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. FY23 funding will procure approximately 15 of each pod based on test requirements, expected usage in support of lethality testing and associated hardware procurement due to kill authorizations.

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

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2023 Air Force **Date:** April 2022

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 5	P-1 Line Item Number / Title: 000075 / Other Production Charges	Aggregated Items Title: Advanced Pilot Training System T-7A
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 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)
TX																				
Advanced Pilot Trainer Procurement	A		-	-	-	-	-	0.000	-	-	0.000	-	-	5.160	-	-	-	-	-	5.160
Subtotal: TX			-	-	-	-	-	0.000	-	-	0.000	-	-	5.160	-	-	-	-	-	5.160
Total			-	-	-	-	-	0.000	-	-	0.000	-	-	5.160	-	-	-	-	-	5.160

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