

UNCLASSIFIED

**Department of Defense
Fiscal Year (FY) 2024 Budget Estimates**

March 2023



Air Force

Justification Book Volume 2 of 2

Aircraft Procurement, Air Force

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2024 • Procurement

Table of Volumes

Aircraft Procurement, Air Force..... Volume 1
Aircraft Procurement, Air Force..... Volume 2

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2024 • Procurement

Volume 2 Table of Contents

Introduction and Explanation of Contents.....Volume 2 - v
Comptroller Exhibit P-1.....Volume 2 - vii
Master Line Item Table of Contents (by Appropriation then Line Number).....Volume 2 - xxix
Master Line Item Table of Contents (Alphabetically by Line Item Title).....Volume 2 - xxxv
Summary.....Volume 2 - xli
P1M.....Volume 2 - xliii
Acronyms..... Volume 2 - ci
Exhibit P-40s..... Volume 2 - 1

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Appropriation Language
Fiscal Year (FY) 2024 President's Budget
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 operations costs, \$20,315,204,000 to remain available for obligations until September 30, 2026.

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment		
Line	Ident	Se		Quantity	Cost	Quantity	Cost	Quantity	Cost*	
No	Item	Nomenclature	Code	c						
<u>Budget Activity 01: Combat aircraft</u>										
Strategic Offensive										
1	B-21 Raider		A	U			(1,406,458)			
	Less: Advance Procurement (PY)						(-108,027)			
							1,298,431			
2	B-21 Raider									
	Advance Procurement (CY)				108,027		353,165			
	C (FY 2022 for FY 2023) (M)				(108,027)					
	C (FY 2023 for FY 2024) (M)						(353,165)			
	C (FY 2024 for FY 2025) (M)									
Tactical Forces										
3	F-35		A	U	41	(4,764,804)	43	(4,736,604)		
	Less: Advance Procurement (PY)					(-547,200)		(-491,136)		
							41	4,217,604	43	4,245,468
4	F-35									
	Advance Procurement (CY)					342,536		236,702		
	C (FY 2022 for FY 2023) (M)					(342,536)				

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force

Line		Ident	Se	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature	Code	c	Quantity	Cost	Quantity	Cost
<u>Budget Activity 01: Combat aircraft</u>							
Strategic Offensive							
1	B-21 Raider	A	U		(1,406,458)		(1,970,258)
	Less: Advance Procurement (PY)				(-108,027)		(-353,165)
					1,298,431		1,617,093
2	B-21 Raider						
	Advance Procurement (CY)				353,165		708,000
	C (FY 2022 for FY 2023) (M)						
	C (FY 2023 for FY 2024) (M)				(353,165)		
	C (FY 2024 for FY 2025) (M)						(708,000)
Tactical Forces							
3	F-35	A	U	43	(4,736,604)	48	(5,113,823)
	Less: Advance Procurement (PY)				(-491,136)		(-236,702)
				43	4,245,468	48	4,877,121
4	F-35						
	Advance Procurement (CY)				236,702		402,000
	C (FY 2022 for FY 2023) (M)						

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line	Ident	Se		Quantity	Cost	Quantity	Cost	Quantity	Cost*
No	Code	c	Item Nomenclature						
			C (FY 2023 for FY 2024) (M)				(236,702)		
			C (FY 2024 for FY 2025) (M)						
5	A	U	F-15EX	10	(1,237,940)	24	(2,465,287)		
			Less: Advance Procurement (PY)		(-133,500)		(-147,919)		
				10	1,104,440	24	2,317,368		
6			F-15EX						
			Advance Procurement (CY)		147,919		264,000		
			C (FY 2022 for FY 2023) (M)		(147,919)				
			C (FY 2023 for FY 2024) (M)				(264,000)		
			C (FY 2024 for FY 2025) (M)						
			Total Combat aircraft	51	5,920,526	67	8,715,134		
<u>Budget Activity 02: Airlift aircraft</u>									
Tactical Airlift									
7	A	U	KC-46A MDAP	14	2,289,015	15	2,458,717		
Other Airlift									
8	A	U	C-130J	20	2,385,206	16	1,775,293		

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
	C (FY 2023 for FY 2024) (M)				(236,702)		
	C (FY 2024 for FY 2025) (M)						(402,000)
5	F-15EX	A	U	24	(2,465,287)	24	(2,934,039)
	Less: Advance Procurement (PY)				(-147,919)		(-264,000)
				24	2,317,368	24	2,670,039
6	F-15EX						
	Advance Procurement (CY)				264,000		228,000
	C (FY 2022 for FY 2023) (M)						
	C (FY 2023 for FY 2024) (M)				(264,000)		
	C (FY 2024 for FY 2025) (M)						(228,000)
	Total Combat aircraft			67	8,715,134	72	10,502,253

Budget Activity 02: Airlift aircraft

Tactical Airlift

7	KC-46A MDAP	A	U	15	2,458,717	15	2,882,590
---	-------------	---	---	----	-----------	----	-----------

Other Airlift

8	C-130J	A	U	16	1,775,293		34,921
---	--------	---	---	----	-----------	--	--------

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
9	MC-130J	A	U	3	(266,049)		(40,351)		
	Less: Advance Procurement (PY)				(-46,000)				
				3	220,049		40,351		
Total Airlift aircraft				37	4,894,270	31	4,274,361		
<u>Budget Activity 03: Trainer aircraft</u>									
UPT Trainers									
10	Advanced Pilot Training T-7A	A	U				10,507		
Total Trainer aircraft							10,507		
<u>Budget Activity 04: Other aircraft</u>									
Helicopters									
11	MH-139A	A	U	8	141,360	5	186,192		
12	Combat Rescue Helicopter	A	U	14	743,921	20	1,205,995		
Mission Support Aircraft									
13	Civil Air Patrol A/C	A	U		11,400		11,600		

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
9	MC-130J	A	U		(40,351)		
	Less: Advance Procurement (PY)						
					<u>40,351</u>		
	Total Airlift aircraft			31	4,274,361	15	2,917,511

Budget Activity 03: Trainer aircraft

UPT Trainers

10	Advanced Pilot Training T-7A	A	U		10,507		
	Total Trainer aircraft				<u>10,507</u>		

Budget Activity 04: Other aircraft

Helicopters

11	MH-139A	A	U	5	186,192	7	228,807
12	Combat Rescue Helicopter	A	U	20	1,205,995		282,533

Mission Support Aircraft

13	Civil Air Patrol A/C	A	U		11,600		3,013
----	----------------------	---	---	--	--------	--	-------

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
Other Aircraft									
14	Pale Ale	A	U			1	28,500		
15	Target Drones	A	U	22	112,443	27	113,706		
16	Compass Call	A	U			4	553,700		
17	E-11 BACN/HAG	A	U	2	124,435	1	66,847		
18	MQ-9	A	U	4	92,267		16,039		
Total Other aircraft				50	1,225,826	58	2,182,579		

Budget Activity 05: Modification of inservice aircraft

Strategic Aircraft

19	B-2A	A	U		23,278		89,217		
20	B-1B	A	U		27,406		36,313		
21	B-52	A	U		70,420		106,784		
22	Large Aircraft Infrared Countermeasures	A	U		57,001		37,286		

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force

Line		Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature			Quantity	Cost	Quantity	Cost
Other Aircraft							
14	Pale Ale	A	U	1	28,500		
15	Target Drones	A	U	27	113,706	20	42,226
16	Compass Call	A	U	4	553,700		
17	E-11 BACN/HAG	A	U	1	66,847	1	67,367
18	MQ-9	A	U		16,039		
Total Other aircraft				58	2,182,579	28	623,946

Budget Activity 05: Modification of inservice aircraft

Strategic Aircraft

19	B-2A	A	U		89,217		107,980
20	B-1B	A	U		36,313		12,757
21	B-52	A	U		106,784		65,815
22	Large Aircraft Infrared Countermeasures	A	U		37,286		21,723

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment		
Line	Item	Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
Tactical Aircraft										
23	A-10		A	U		63,313		83,972		
24	E-11	BACN/HAG	A	U		64,244		20,609		
25	F-15		A	U		162,473		194,379		
26	F-16		A	U		599,320		741,334		
27	F-22A		A	U		407,927		747,933		
28	F-35	Modifications	A	U		247,928		333,096		
29	F-15	EPAW	A	U	18	163,816	19	259,837		
30	KC-46A	MDAP	A	U		1,984		467		
Airlift Aircraft										
31	C-5		A	U		20,330		15,673		
32	C-17A		A	U		54,649		142,653		

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force

Line				FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost
Tactical Aircraft							
23	A-10	A	U		83,972		
24	E-11 BACN/HAG	A	U		20,609		58,923
25	F-15	A	U		194,379		34,830
26	F-16	A	U		741,334		297,342
27	F-22A	A	U		747,933		794,676
28	F-35 Modifications	A	U		333,096		451,798
29	F-15 EPAW	A	U	19	259,837	0	280,658
30	KC-46A MDAP	A	U		467		
Airlift Aircraft							
31	C-5	A	U		15,673		24,377
32	C-17A	A	U		142,653		140,560

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment		
Line	Item	Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
33	C-32A		A	U		1,949		4,068		
34	C-37A		A	U		5,984		6,062		
Trainer Aircraft										
35	Glider Mods		A	U		142		149		
36	T-6		A	U		8,735		6,215		
37	T-1		A	U		872		6,262		
38	T-38		A	U		45,039		97,485		
Other Aircraft										
39	Spectrum Relocation Fund		A	U		471				
40	U-2 Mods			U		125,109		81,650		
41	KC-10A (ATCA)		A	U		1,902		1,722		
42	C-12		A	U						

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
33	C-32A	A	U		4,068		19,060
34	C-37A	A	U		6,062		13,454
Trainer Aircraft							
35	Glider Mods	A	U		149		5,270
36	T-6	A	U		6,215		2,942
37	T-1	A	U		6,262		10,950
38	T-38	A	U		97,485		125,340
Other Aircraft							
39	Spectrum Relocation Fund	A	U				
40	U-2 Mods		U		81,650		54,727
41	KC-10A (ATCA)	A	U		1,722		
42	C-12	A	U				446

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
43	C-21	A	U				2,024		
44	VC-25A Mod	A	U		96		2,146		
45	C-40	A	U		10,262		37,197		
46	C-130	A	U		272,251		224,702		
47	C-130J Mods	A	U		110,784		112,299		
48	C-135	A	U		58,776		144,557		
49	Compass Call	A	U		195,098		327,330		
50	combat flight inspection - CFIN	A	U						
51	RC-135	A	U		213,495		213,428		
52	E-3	A	U		91,301		29,187		
53	E-4	A	U		19,081		5,973		
54	E-8	A	U		7,500				

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
43	C-21	A	U		2,024		
44	VC-25A Mod	A	U		2,146		29,707
45	C-40	A	U		37,197		8,921
46	C-130	A	U		224,702		71,177
47	C-130J Mods	A	U		112,299		121,258
48	C-135	A	U		144,557		153,595
49	Compass Call	A	U		327,330		144,686
50	combat flight inspection - CFIN	A	U				446
51	RC-135	A	U		213,428		220,138
52	E-3	A	U		29,187		1,350
53	E-4	A	U		5,973		13,055
54	E-8	A	U				

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
55	Airborne Warning and Cntrl Sys (AWACS) 40/45	A	U		24,827				
56	H-1	A	U		1,533		1,757		
57	H-60	A	U		9,109		10,820		
58	HH60W Modifications	A	U				3,083		
59	RQ-4 Mods	A	U		3,205		1,286		
60	HC/MC-130 Modifications	A	U		147,993		109,785		
61	Other Aircraft	A	U		54,828		41,796		
62	MQ-9 Mods	A	U		166,786		211,507		
63	MQ-9 UAS Payloads	A	U		45,201				
64	Senior Leader C3 System - Aircraft	A	U		28,265		24,784		
65	CV-22 Mods	A	U		226,962		153,026		
Total Modification of inservice aircraft				18	3,841,645	19	4,669,853		

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
55	Airborne Warning and Cntrl Sys (AWACS) 40/45	A	U				
56	H-1	A	U		1,757		816
57	H-60	A	U		10,820		4,207
58	HH60W Modifications	A	U		3,083		
59	RQ-4 Mods	A	U		1,286		
60	HC/MC-130 Modifications	A	U		109,785		101,055
61	Other Aircraft	A	U		41,796		54,134
62	MQ-9 Mods	A	U		211,507		98,063
63	MQ-9 UAS Payloads	A	U				
64	Senior Leader C3 System - Aircraft	A	U		24,784		24,847
65	CV-22 Mods	A	U		153,026		153,006
Total Modification of inservice aircraft				19	4,669,853	0	3,724,089

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line		Ident	Se						
No	Item Nomenclature	Code	c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
<u>Budget Activity 06: Aircraft spares and repair parts</u>									
Aircraft Spares and Repair Parts									
66	Initial Spares/Repair Parts	A	U		1,006,161		677,253		
Total Aircraft spares and repair parts					1,006,161		677,253		
<u>Budget Activity 07: Aircraft support equipment and facilities</u>									
Common Support Equipment									
67	Aircraft Replacement Support Equip	A	U		127,045		138,935		
Post Production Support									
68	B-2A	A	U		1,651		1,802		
69	B-2B	A	U		39,929		36,325		
70	B-52	A	U		3,602		5,883		
71	C-5	A	U				18,000		
72	MC-130J	A	U						

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force

Line		Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature			Quantity	Cost	Quantity	Cost
<u>Budget Activity 06: Aircraft spares and repair parts</u>							
Aircraft Spares and Repair Parts							
66	Initial Spares/Repair Parts	A	U		677,253		781,521
Total Aircraft spares and repair parts					677,253		781,521
<u>Budget Activity 07: Aircraft support equipment and facilities</u>							
Common Support Equipment							
67	Aircraft Replacement Support Equip	A	U		138,935		157,664
Post Production Support							
68	B-2A	A	U		1,802		1,838
69	B-2B	A	U		36,325		15,207
70	B-52	A	U		5,883		
71	C-5	A	U		18,000		
72	MC-130J	A	U				10,117

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force					FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line			Ident	Se						
No	Item	Nomenclature	Code	c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
73	F-15		A	U		2,324		2,764		
74	F-16		A	U		10,456		5,102		
75	F-22A		A	U						
76	HC/MC-130	Modifications	A	U				20,000		
77	MQ-9	Post Prod	A	U				7,069		
78	RQ-4	Post Production Charges	A	U		24,133		40,845		
Industrial Preparedness										
79	Industrial	Responsiveness	A	U		18,071		35,328		
War Consumables										
80	War	Consumables	A	U		32,066		31,165		
Other Production Charges										
81	Other	Production Charges	A	U		1,096,369		1,305,178		

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
73	F-15	A	U		2,764		
74	F-16	A	U		5,102		1,075
75	F-22A	A	U				38,418
76	HC/MC-130 Modifications	A	U		20,000		
77	MQ-9 Post Prod	A	U		7,069		
78	RQ-4 Post Production Charges	A	U		40,845		
Industrial Preparedness							
79	Industrial Responsiveness	A	U		35,328		18,874
War Consumables							
80	War Consumables	A	U		31,165		27,482
Other Production Charges							
81	Other Production Charges	A	U		1,305,178		1,478,044

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment		
Line		Ident	Se							
No	Item Nomenclature	Code	c	Quantity	Cost	Quantity	Cost	Quantity	Cost*	
83	Cancelled Acct Adjustments	A	U		498					
Classified Programs										
999	Classified Programs		U		18,092		18,092			
Total Aircraft support equipment and facilities					1,374,236		1,666,488			
Total Aircraft Procurement, Air Force					156	18,262,664	175	22,196,175		

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F Detail
 (Dollars in Thousands)

Mar 2023

Appropriation: 3010 Aircraft Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
83	Cancelled Acct Adjustments	A	U				
Classified Programs							
999	Classified Programs		U		18,092		17,165
Total Aircraft support equipment and facilities					1,666,488		1,765,884
Total Aircraft Procurement, Air Force				175	22,196,175	115	20,315,204

UNCLASSIFIED

Air Force • Budget Estimates FY 2024 • Procurement

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

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
1	01	01	B02100	B-21 Raider.....	Volume 1 - 1
2	01	01	B02100	B-21 Raider, Advance Procurement.....	Volume 1 - 5
3	01	03	ATA000	F-35.....	Volume 1 - 9
4	01	03	ATA000	F-35, Advance Procurement.....	Volume 1 - 21
5	01	03	F015EX	F-15EX.....	Volume 1 - 25
6	01	03	F015EX	F-15EX, Advance Procurement.....	Volume 1 - 35

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
7	02	02	KC046A	KC-46A MDAP.....	Volume 1 - 39
8	02	03	C130J0	C-130J.....	Volume 1 - 53
9	02	03	C130JM	MC-130J.....	Volume 1 - 57

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2024 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
10	03	01	APT000	Advanced Pilot Training T-7A.....	Volume 1 - 61

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
11	04	01	H0106O	MH-139A.....	Volume 1 - 65
12	04	01	H060WH	Combat Rescue Helicopter.....	Volume 1 - 73
13	04	04	CAPAC0	Civil Air Patrol A/C.....	Volume 1 - 85
14	04	05	10PALE	Pale Ale.....	Volume 1 - 87
15	04	05	10TRGT	Target Drones.....	Volume 1 - 89
16	04	05	CALL00	Compass Call.....	Volume 1 - 91
17	04	05	E011A1	E-11 BACN/HAG.....	Volume 1 - 93
18	04	05	PRDTB1	MQ-9.....	Volume 1 - 101

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2024 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
19	05	01	B00200	B-2A.....	Volume 2 - 1
20	05	01	B01B00	B-1B.....	Volume 2 - 27
21	05	01	B05200	B-52.....	Volume 2 - 37
22	05	01	LAIRCM	Large Aircraft Infrared Countermeasures.....	Volume 2 - 61
23	05	02	A01000	A-10.....	Volume 2 - 75
24	05	02	E011A0	E-11 BACN/HAG.....	Volume 2 - 77
25	05	02	F01500	F-15.....	Volume 2 - 95
26	05	02	F01600	F-16.....	Volume 2 - 113
27	05	02	F02200	F-22A.....	Volume 2 - 141
28	05	02	F03500	F-35 Modifications.....	Volume 2 - 183
29	05	02	F15EWS	F-15 EPAW.....	Volume 2 - 261
30	05	02	KC046A	KC-46A MDAP.....	Volume 2 - 267
31	05	03	C00500	C-5.....	Volume 2 - 269
32	05	03	C01700	C-17A.....	Volume 2 - 279
33	05	03	C03200	C-32A.....	Volume 2 - 293
34	05	03	C03700	C-37A.....	Volume 2 - 303

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2024 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
35	05	04	GLID00	Glider Mods.....	Volume 2 - 309
36	05	04	JPAT00	T-6.....	Volume 2 - 311
37	05	04	T00100	T-1.....	Volume 2 - 313
38	05	04	T03800	T-38.....	Volume 2 - 319
40	05	05	11U200	U-2 Mods.....	Volume 2 - 335
41	05	05	C01000	KC-10A (ATCA).....	Volume 2 - 343
42	05	05	C01200	C-12.....	Volume 2 - 345
43	05	05	C02100	C-21.....	Volume 2 - 347
44	05	05	C02500	VC-25A Mod.....	Volume 2 - 349
45	05	05	C04000	C-40.....	Volume 2 - 355
46	05	05	C13000	C-130.....	Volume 2 - 361
47	05	05	C1300J	C-130J Mods.....	Volume 2 - 373
48	05	05	C13500	C-135.....	Volume 2 - 389
49	05	05	CALL00	Compass Call.....	Volume 2 - 421
50	05	05	CFIN00	combat flight inspection - CFIN.....	Volume 2 - 433
51	05	05	DARP01	RC-135.....	Volume 2 - 435
52	05	05	E00300	E-3.....	Volume 2 - 449
53	05	05	E00400	E-4.....	Volume 2 - 451

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2024 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
54	05	05	E00800	E-8.....	Volume 2 - 459
55	05	05	E34045	Airborne Warning and Cntrl Sys (AWACS) 40/45.....	Volume 2 - 461
56	05	05	H00100	H-1.....	Volume 2 - 467
57	05	05	H06000	H-60.....	Volume 2 - 469
58	05	05	H060WM	HH60W Modifications.....	Volume 2 - 471
60	05	05	HCMC00	HC/MC-130 Modifications.....	Volume 2 - 473
61	05	05	OTHACF	Other Aircraft.....	Volume 2 - 499
62	05	05	PRDTB2	MQ-9 Mods.....	Volume 2 - 507
63	05	05	PRDTB3	MQ-9 UAS Payloads.....	Volume 2 - 541
64	05	05	SLC3SA	Senior Leader C3 System - Aircraft.....	Volume 2 - 543
65	05	05	V02200	CV-22 Mods.....	Volume 2 - 551

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
66	06	10	000999	Initial Spares/Repair Parts.....	Volume 1 - 107

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2024 • Procurement

Appropriation 3010F: Aircraft Procurement, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
67	07	01	000071	Aircraft Replacement Support Equip.....	Volume 1 - 115
68	07	02	B00200	B-2A.....	Volume 1 - 153
69	07	02	B002B0	B-2B.....	Volume 1 - 155
70	07	02	B05200	B-52.....	Volume 1 - 159
71	07	02	C00500	C-5.....	Volume 1 - 161
72	07	02	C130JM	MC-130J.....	Volume 1 - 163
73	07	02	F01500	F-15.....	Volume 1 - 167
74	07	02	F0160P	F-16.....	Volume 1 - 169
75	07	02	F02200	F-22A.....	Volume 1 - 171
76	07	02	HCMC00	HC/MC-130 Modifications.....	Volume 1 - 175
77	07	02	PRDTB5	MQ-9 Post Prod.....	Volume 1 - 177
78	07	02	RQ4DIS	RQ-4 Post Production Charges.....	Volume 1 - 179
79	07	03	000073	Industrial Responsiveness.....	Volume 1 - 181
80	07	04	000074	War Consumables.....	Volume 1 - 185
81	07	05	000075	Other Production Charges.....	Volume 1 - 189

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2024 • Procurement

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

Line Item Title	Line Item Number	Line #	BA	BSA	Page
A-10	A01000	23	05	02.....	Volume 2 - 75
Advanced Pilot Training T-7A	APT000	10	03	01.....	Volume 1 - 61
Airborne Warning and Cntrl Sys (AWACS) 40/45	E34045	55	05	05.....	Volume 2 - 461
Aircraft Replacement Support Equip	000071	67	07	01.....	Volume 1 - 115
B-1B	B01B00	20	05	01.....	Volume 2 - 27
B-21 Raider	B02100	1	01	01.....	Volume 1 - 1
B-21 Raider, Advance Procurement	B02100	2	01	01.....	Volume 1 - 5
B-2A	B00200	68	07	02.....	Volume 1 - 153
B-2A	B00200	19	05	01.....	Volume 2 - 1
B-2B	B002B0	69	07	02.....	Volume 1 - 155
B-52	B05200	70	07	02.....	Volume 1 - 159
B-52	B05200	21	05	01.....	Volume 2 - 37
C-12	C01200	42	05	05.....	Volume 2 - 345
C-130	C13000	46	05	05.....	Volume 2 - 361
C-130J	C130J0	8	02	03.....	Volume 1 - 53
C-130J Mods	C1300J	47	05	05.....	Volume 2 - 373
C-135	C13500	48	05	05.....	Volume 2 - 389

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2024 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
C-17A	C01700	32	05	03.....	Volume 2 - 279
C-21	C02100	43	05	05.....	Volume 2 - 347
C-32A	C03200	33	05	03.....	Volume 2 - 293
C-37A	C03700	34	05	03.....	Volume 2 - 303
C-40	C04000	45	05	05.....	Volume 2 - 355
C-5	C00500	71	07	02.....	Volume 1 - 161
C-5	C00500	31	05	03.....	Volume 2 - 269
CV-22 Mods	V02200	65	05	05.....	Volume 2 - 551
Civil Air Patrol A/C	CAPAC0	13	04	04.....	Volume 1 - 85
Combat Rescue Helicopter	H060WH	12	04	01.....	Volume 1 - 73
Compass Call	CALL00	16	04	05.....	Volume 1 - 91
Compass Call	CALL00	49	05	05.....	Volume 2 - 421
E-11 BACN/HAG	E011A1	17	04	05.....	Volume 1 - 93
E-11 BACN/HAG	E011A0	24	05	02.....	Volume 2 - 77
E-3	E00300	52	05	05.....	Volume 2 - 449
E-4	E00400	53	05	05.....	Volume 2 - 451
E-8	E00800	54	05	05.....	Volume 2 - 459
F-15	F01500	73	07	02.....	Volume 1 - 167
F-15	F01500	25	05	02.....	Volume 2 - 95
F-15 EPAW	F15EWS	29	05	02.....	Volume 2 - 261

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2024 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
F-15EX	F015EX	5	01	03.....	Volume 1 - 25
F-15EX, Advance Procurement	F015EX	6	01	03.....	Volume 1 - 35
F-16	F0160P	74	07	02.....	Volume 1 - 169
F-16	F01600	26	05	02.....	Volume 2 - 113
F-22A	F02200	75	07	02.....	Volume 1 - 171
F-22A	F02200	27	05	02.....	Volume 2 - 141
F-35	ATA000	3	01	03.....	Volume 1 - 9
F-35, Advance Procurement	ATA000	4	01	03.....	Volume 1 - 21
F-35 Modifications	F03500	28	05	02.....	Volume 2 - 183
Glider Mods	GLID00	35	05	04.....	Volume 2 - 309
H-1	H00100	56	05	05.....	Volume 2 - 467
H-60	H06000	57	05	05.....	Volume 2 - 469
HC/MC-130 Modifications	HCMC00	76	07	02.....	Volume 1 - 175
HC/MC-130 Modifications	HCMC00	60	05	05.....	Volume 2 - 473
HH60W Modifications	H060WM	58	05	05.....	Volume 2 - 471
Industrial Responsiveness	000073	79	07	03.....	Volume 1 - 181
Initial Spares/Repair Parts	000999	66	06	10.....	Volume 1 - 107
KC-10A (ATCA)	C01000	41	05	05.....	Volume 2 - 343
KC-46A MDAP	KC046A	7	02	02.....	Volume 1 - 39
KC-46A MDAP	KC046A	30	05	02.....	Volume 2 - 267

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2024 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Large Aircraft Infrared Countermeasures	LAIRCM	22	05	01.....	Volume 2 - 61
MC-130J	C130JM	9	02	03.....	Volume 1 - 57
MC-130J	C130JM	72	07	02.....	Volume 1 - 163
MH-139A	H0106O	11	04	01.....	Volume 1 - 65
MQ-9	PRDTB1	18	04	05.....	Volume 1 - 101
MQ-9 Mods	PRDTB2	62	05	05.....	Volume 2 - 507
MQ-9 Post Prod	PRDTB5	77	07	02.....	Volume 1 - 177
MQ-9 UAS Payloads	PRDTB3	63	05	05.....	Volume 2 - 541
Other Aircraft	OTHACF	61	05	05.....	Volume 2 - 499
Other Production Charges	000075	81	07	05.....	Volume 1 - 189
Pale Ale	10PALE	14	04	05.....	Volume 1 - 87
RC-135	DARP01	51	05	05.....	Volume 2 - 435
RQ-4 Post Production Charges	RQ4DIS	78	07	02.....	Volume 1 - 179
Senior Leader C3 System - Aircraft	SLC3SA	64	05	05.....	Volume 2 - 543
T-1	T00100	37	05	04.....	Volume 2 - 313
T-38	T03800	38	05	04.....	Volume 2 - 319
T-6	JPAT00	36	05	04.....	Volume 2 - 311
Target Drones	10TRGT	15	04	05.....	Volume 1 - 89
U-2 Mods	11U200	40	05	05.....	Volume 2 - 335
VC-25A Mod	C02500	44	05	05.....	Volume 2 - 349

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2024 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
War Consumables	000074	80	07	04.....	Volume 1 - 185
combat flight inspection - CFIN	CFIN00	50	05	05.....	Volume 2 - 433

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2024 President's Budget
 Exhibit P-1 FY 2024 President's Budget
 Total Obligational Authority
 3010F BA Summary
 (Dollars in Thousands)

Mar 2023

Appropriation: Aircraft Procurement, Air Force	FY 2022 Actuals	FY 2023 Less Supplementals Enactment	FY 2023 Supplementals Enactment*	FY 2023 Total Enactment	FY 2024 Request
<u>Budget Activity</u>					
01. Combat aircraft	5,920,526	8,715,134		8,715,134	10,502,253
02. Airlift aircraft	4,894,270	4,274,361		4,274,361	2,917,511
03. Trainer aircraft		10,507		10,507	
04. Other aircraft	1,225,826	2,182,579		2,182,579	623,946
05. Modification of inservice aircraft	3,841,645	4,669,853		4,669,853	3,724,089
06. Aircraft spares and repair parts	1,006,161	677,253		677,253	781,521
07. Aircraft support equipment and facilities	1,374,236	1,666,488		1,666,488	1,765,884
Total Aircraft Procurement, Air Force	18,262,664	22,196,175		22,196,175	20,315,204

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-5 RERP	P	6154	C-5 Reliability Enhancment and Re-Engining Program	3723.8											3723.8
TOTAL FOR CLASS P				3723.8											3723.8
TOTAL FOR AIRCRAFT C-5 RERP				3723.8											3723.8

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON</u> <u>SYSTEM</u>	<u>CLASS</u>	<u>MOD</u> <u>NR</u>	<u>MODIFICATION</u> <u>TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24</u> <u>OCO</u>	<u>Total</u> <u>FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST</u> <u>TO GO</u>	<u>TOTAL</u> <u>PROG</u>
EQ-4B	P	EQ001	EQ-4B Mods	7.0											7.0
TOTAL FOR CLASS P				7.0											7.0
TOTAL FOR AIRCRAFT EQ-4B				7.0											7.0

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
MQ-1	P	4445	Aircraft PPDL	24.7											24.7
		4446	Differential GPS	4.7											4.7
		4447	Digital Video	20.8											20.8
		4451	VORTEX	31.3											31.3
		4452	GCS PPDL	106.9											106.9
		4453	GCS Modernization	36.4											36.4
		4457	IP Migration	33.1											33.1
		99999X	Low Cost Modifications	5.2											5.2
		PRDT02	PREDATOR A/B MODIFICATIONS	212.9											212.9
TOTAL FOR CLASS P				476.1											476.1
TOTAL FOR AIRCRAFT MQ-1				476.1											476.1

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
OC-135B	P	1900	Digital Visual Imaging System (DVIS)	15.2											15.2
		1901	ADS-B	3.5											3.5
TOTAL FOR CLASS P				18.7											18.7
TOTAL FOR AIRCRAFT OC-135B				18.7											18.7

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
RQ-4 Mods	P-S	470011	ASIP Install/Calibration	4.8											4.8
TOTAL FOR CLASS P-S				4.8											4.8
	P	470001	GH Aircraft Mods	537.8	3.2	1.3				9.1	9.2	0.4			561.0
		470003	GH Ground Station Mods	15.5											15.5
		470009	ASIP Increment I	37.2											37.2
		470010	SAR	0.9											0.9
		470012	MODE 5/ADS-B	6.3											6.3
		470013	Sensor Enhancements	29.4											29.4
		470019	Communication Interoperability/Enhancements	3.0											3.0
TOTAL FOR CLASS P				630.1	3.2	1.3				9.1	9.2	0.4			653.3
TOTAL FOR AIRCRAFT RQ-4 Mods				634.9	3.2	1.3				9.1	9.2	0.4			658.1

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
B-2	P	110031	B-2 Trainer System Upgrade	59.2	5.6	7.0	16.7		16.7	1.1	1.2	1.2	1.2		93.2
		110032	LINK 16/CID/IFR	5.3	0.2	0.2	0.2		0.2	0.2	0.2	0.2	0.2		6.8
		110035	LOW OBSERVABLE SIGNATURE AND SUPPORTABILITY MODS	91.9	9.7	16.2	21.3		21.3	12.0	12.2	12.4	12.7		188.4
		110043	110043/B-2 Advanced Communications	14.2	0.3		29.0		29.0	26.6	32.7	33.5			136.3
		110044	B-2 DMS / Displays			43.5	28.2		28.2	15.3	3.8	3.4	0.0		94.2
		110054	B-2 Flex Strike Phase 1	30.8											30.8
		110056	B61-12 Integration	39.5											39.5
		110057	MGUE	23.2	0.3	4.4									28.0
		110061	IFF Mode 5/S		2.8	16.0	10.6		10.6						29.5
		110062	Crash Survivable Memory Unit (CSMU)				0.5		0.5	0.5					1.0
		110065	B-2 GBU-57 MOP Integration	21.5											21.5
		8882	Common Very Low Frequency Terminal	61.1											61.1
		99999U	B-2 Low Cost Engine Modifications	18.0	0.9	1.1	0.8		0.8	0.8	0.8	0.9	0.9		24.2
		99999X	Low Cost Modifications	20.8	3.4	0.8	0.7		0.7	0.7	0.7	0.7	0.7		28.6
TOTAL FOR CLASS P				385.6	23.3	89.2	108.0		108.0	57.2	51.7	52.4	15.8		783.1
TOTAL FOR AIRCRAFT B-2				385.6	23.3	89.2	108.0		108.0	57.2	51.7	52.4	15.8		783.1

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
B-1	P	4280	Fully Integrated Data Links	414.9	4.8	9.9									429.6
		4284	CITS UPGRADE	125.8	3.1	4.7									133.5
		4291	B-1 TRAINING SUPPORT	5.1	0.8	0.1	0.5		0.5	0.5	0.5	0.5	0.9		9.0
		8971	VERTICAL SITUATION DISPLAYS	295.4	6.5	7.2									309.1
		92294	LAPTOP CONTROLLED TARGETING POD	89.6											89.6
		92314	MIDS-JTRS	8.0	2.9	6.6									17.4
		92316	Radio Crypto Compliance			7.7	12.3		12.3	2.8	2.2	0.5	0.5		25.9
		92317	IFF Mode 5/S ADS-B	4.3	5.5	0.0	0.0		0.0						9.8
		99999X	Low Cost Modifications	5.7	3.9	0.0	0.0		0.0	0.0	0.0	0.0	0.0		9.6
TOTAL FOR CLASS P				948.6	27.4	36.3	12.8		12.8	3.3	2.7	1.0	1.4		1033.5
TOTAL FOR AIRCRAFT B-1				948.6	27.4	36.3	12.8		12.8	3.3	2.7	1.0	1.4		1033.5

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
B-52	P	3265	B-52 Anti-Skid Replacement	22.9											22.9
		3310	B-52 Combat Network Communications Technology	620.0	15.7	5.3									641.0
		6885	AETC Trainers (B-52)	14.7	0.4	0.6	0.7		0.7	2.8	2.9	2.9	4.9		29.9
		6889	Bomber Tactical Data link	26.3	15.8	32.4	23.4		23.4	20.6	8.5	7.7	7.9		142.6
		6890	B-52 Radar Modernization							155.7	203.1	271.9	215.2		845.8
		6891	B-52 WST AR Upgrade Trainer	0.9											0.9
		6892	B-52 Low Cost Improvements	13.8	6.5	0.5	0.7		0.7	2.7	2.8	2.8	2.9		32.7
		6893	GPS-IU Replacement		7.9	23.0									30.9
		6894	B-52 Crypto Modernization		3.5	33.0	14.1		14.1	23.0	4.2	4.9	5.0		87.7
		6896	B-52 VLF/LF Modernization		20.1	11.5	26.5		26.5	13.1	6.4	3.3	0.4		81.3
		6897	B-52 CERP							8.0	20.7	734.1	706.8	70.8	1540.4
		6899	B-52 Quad Crew Initiative								45.0	73.1	74.6		192.7
		6900	Advanced Extremely High Frequency (AEHF)							15.5	93.9	52.7	68.8		230.9
		6901	Airspace Compliance							14.6	14.5	14.6	14.9		58.6
		99999X	Other Mods	22.2	0.5	0.5	0.4		0.4	2.0					25.6
TOTAL FOR CLASS P				720.7	70.4	106.8	65.8		65.8	257.9	402.0	1168.1	1101.4	70.8	3963.9
TOTAL FOR AIRCRAFT B-52				720.7	70.4	106.8	65.8		65.8	257.9	402.0	1168.1	1101.4	70.8	3963.9

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
LAIRCM	P	8629C130	LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130	15.7			0.1		0.1						15.8
		8629C130J	LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J	230.6	57.0	11.7	5.5		5.5	19.5					324.3
		8629C17	LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17	259.5	0.0	2.6	1.4		1.4	3.0	17.0	17.4	17.7		318.5
		8629C5	LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5	53.1			0.1		0.1						53.2
		8629CFIN	LAIRCM CFIN	7.5			0.1		0.1						7.6
		8629HC/MC/AC 130	LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/MC/AC-130				0.4		0.4						0.4
		8629KC-135	LARGE AIRCRAFT INFRARED COUNTERMEASURES KC-135				0.1		0.1						0.1
		8629LC	Large Aircraft Infrared Countermeasures			11.0	3.3		3.3	3.6	3.7	3.8	3.9		29.3
		8629OSA EA	LARGE AIRCRAFT INFRARED COUNTERMEASURES SA EA			12.0	10.8		10.8	5.5					28.2
TOTAL FOR CLASS P				566.4	57.0	37.3	21.7		21.7	31.6	20.7	21.2	21.6		777.5
TOTAL FOR AIRCRAFT LAIRCM				566.4	57.0	37.3	21.7		21.7	31.6	20.7	21.2	21.6		777.5

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
A-10	P	674809	A01000 Portable Automatic Test Set 70 A (PATS-70A)			10.5									10.5
		7856	MODE S/5	17.6											17.6
		9601	ONBOARD OXYGEN GENERATING SYSTEM (OBOGS)	33.7	9.5	1.0									44.2
		9804	A-10 Wing Replacement Program	461.9	0.0	36.3									498.3
		9806	A-10 Helmet Mounted Cueing System	3.4	2.2	6.3									11.9
		9816	A-10 Conversion Fuel Tanks	9.3											9.3
		9831	ARC-210 (Capability Improvement)	26.9	36.3	18.9									82.1
		9832	2ND GIGABET ETHERNET SWITCH (2GES) (Capability Improvement)	9.8	2.4	9.0									21.2
		9834	A-10 High Resolution Display System (HDRS)	6.3	1.3	1.0		0.0	0.0						8.6
		9836	3-Dimensional Audio (3DA)	6.3	5.3	1.0								4.6	17.2
		9839	SDB-1	3.2	4.4										7.6
		99999X	Low Cost Modifications		1.9										1.9
TOTAL FOR CLASS P				578.4	63.3	84.0		0.0	0.0					4.6	730.3
TOTAL FOR AIRCRAFT A-10				578.4	63.3	84.0		0.0	0.0					4.6	730.3

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
E-11 Mods	P	E001	E-11 Mods	52.7	64.2	20.6	58.9		58.9	102.0	70.4	56.2	56.3		481.5
TOTAL FOR CLASS P				52.7	64.2	20.6	58.9		58.9	102.0	70.4	56.2	56.3		481.5
TOTAL FOR AIRCRAFT E-11 Mods				52.7	64.2	20.6	58.9		58.9	102.0	70.4	56.2	56.3		481.5

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
F-15	P-S	8806	F-15 C/D Cabin Pressure Indicator	2.8											2.8
		8807	F-15 E Cabin Pressure Indicator	15.9											15.9
TOTAL FOR CLASS P-S				18.7											18.7
	P	_1202	F-15E Radar Modernization Program APG-82(V)1	1769.9	53.9	24.8									1848.5
		_1202B	Advanced Display Core Processor, ADCP II-E	146.4	32.4	36.9	12.5		12.5						228.3
		1203	F-15 C/D Secondary Power System (SPS)	7.5											7.5
		1205	:Advanced Display Core Processor ADCP II-C	180.9	5.6	0.0									186.5
		1206	F-15C Infrared Search and Track (IRST)	125.5	4.7	0.0									130.2
		1209	F-15 C/D Flight Data Recorder (FDR)	24.8											24.8
		1210	F-15E Flight Data Recorder (FDR)	142.5											142.5
		6158	F-15C/D APG-63(V)3 radar upgrade	1356.6											1356.6
		8353	F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM	104.5											104.5
		8662	AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	8.0	0.2	0.3	1.2		1.2	1.3	1.3	1.3	2.2		15.9
		8754	F-15C/D IFF Mode 5	51.5											51.5
		8755	F-15E IFF MODE 5	63.4	1.9										65.3
		8756	F-15C/D Link 16 Cryptographic Modernization	0.0							43.2				43.2
		8794	F-15C/D Beyond Line Of Sight Communications	54.4											54.4
		8797	F-15C Passive Attack Sensor System	28.6											28.6

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
		8798	5th to 4th Gen Gateway	3.7											3.7
		8799	F-15C MIDS JTRS	76.6											76.6
		8800	F-15E MIDS JTRS	82.5	23.6	28.1	10.2		10.2	7.6	37.0	2.7	6.7	10.9	209.3
		8801	F-15 C/D SLEP Longerons	40.4	7.5	14.6									62.5
		8804	F-15 F-15 E/MUOS		17.4	51.1	10.9		10.9	20.8	61.0	3.9			165.1
		8810	F-15E APG-82(V)1 Common Config	61.7	7.0										68.7
		8811	F-15E SATCOM UON	17.7											17.7
		8813	F-15E B61 A/C Umbilical	0.5											0.5
		8815	F-15C Simulator Upgrade	15.0											15.0
		8816	F-15C/D APG-63(V)3 Common Config	5.3	0.9	0.1									6.3
		8817	F-15E DTM II		7.5	38.6									46.1
		8825	F-15E M Code								16.6	28.3	6.1	79.5	130.5
		99999U	LOW COST RETROFIT MODS	7.3											7.3
		99999X	Low Cost Modifications	0.5	0.0	0.0									0.5
TOTAL FOR CLASS P				4376.1	162.5	194.4	34.8		34.8	29.7	159.1	36.2	15.1	90.4	5098.2
TOTAL FOR AIRCRAFT F-15				4394.7	162.5	194.4	34.8		34.8	29.7	159.1	36.2	15.1	90.4	5116.8

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
F-16	P	602148	MMC and Display Generator Upgrade	24.4	25.6	39.3	43.4		43.4	30.6	41.9	4.8	0.0		209.9
		602600	F-16 LEGACY STRUCTURAL SLEP	197.3	83.4	94.5	133.9		133.9	132.2	80.7	98.0	160.2	874.5	1854.8
		618250	Comm Suite Upgrade	101.7	57.6	61.6	64.9		64.9	66.0	389.8	209.2	62.1	290.1	1303.1
		633030	Aggressors Update	11.5	0.0			0.0	0.0						11.5
		633031	HFLCC AGCAS	61.9	24.4	28.9					20.8				136.0
		633032	AIFF MODE 5	0.3		3.0	5.3		5.3		58.0				66.6
		633033	M-Code								137.2	223.9	105.0	22.2	488.4
		633034	Secure Mission Data Systems			22.0	43.5		43.5	41.5	39.7	38.1	15.6		200.4
		633035	IVEWS			89.8									89.8
		633036	CDU			10.3									10.3
		633037	633037 - HMIT			0.2									0.2
		633038	RFC			0.4									0.4
		633039	Heads-Up Display (HUD)		20.0	40.0									60.0
		633041	Anti Jam	5.0											5.0
		633042	Missile Warning Systems	12.0											12.0
		661652	Link 16 Crypto	0.1											0.1
		661653	MIDS-JTRS	268.5		9.8					33.6				311.9
		694050	AESA Radars	765.5	379.9	339.1	0.2		0.2	58.4					1543.1

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
		704050	Digital Radar Warning Receiver (RWR)	16.2											16.2
		8662	AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	118.2	0.8	1.2	5.9		5.9	6.1	6.2	6.3	10.5		155.2
		866250	F-16 TRAINING SYSTEMS	63.7	7.5	1.1									72.3
		866251	Full Combat Mission Training	3.1											3.1
		99999X	Low Cost Modifications	12.6	0.1	0.2	0.3		0.3						13.1
TOTAL FOR CLASS P				1662.1	599.3	741.3	297.3	0.0	297.3	334.9	807.9	580.2	353.5	1186.8	6563.4
TOTAL FOR AIRCRAFT F-16				1662.1	599.3	741.3	297.3	0.0	297.3	334.9	807.9	580.2	353.5	1186.8	6563.4

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
F-22	P	F22006	Reliability and Maintainability Program	1653.2	160.2	162.5	91.1		91.1	94.7	96.2	97.3	97.9		2453.1
		F22013	Link 16	256.1	20.5	28.7	22.9		22.9	12.7					340.8
		F22014	F119 Engine Modifications	105.6	3.1	2.8	6.0		6.0	2.2	3.1	3.6	0.8	0.2	127.3
		F22024	Trainers Modernization	132.2	16.9	4.2	12.3		12.3	5.0	11.9	5.0	9.8		197.3
		F22027	Crypto Modernization	16.5							20.0	30.0			66.5
		F22030	Mode 5 Challenge and Reply	56.6		8.7	88.6		88.6	92.0	31.8	7.1	3.4		288.2
		F22031	Viability							135.9	275.9	294.2	200.5		906.4
		F22033	Sensor Enhancement	63.8	207.3	511.6	494.6		494.6	384.8	414.0	436.9		1618.9	4131.9
		F22034	Navigation Systems			29.4	35.5		35.5	49.0	59.8	31.5	10.4	11.4	227.0
		F22035	Low Drag Tanks and Pylons				43.8		43.8	84.6	88.2	127.7	103.9	105.6	553.9
TOTAL FOR CLASS P				2283.9	407.9	747.9	794.7		794.7	860.8	1000.9	1033.3	426.8	1736.2	9292.4
TOTAL FOR AIRCRAFT F-22				2283.9	407.9	747.9	794.7		794.7	860.8	1000.9	1033.3	426.8	1736.2	9292.4

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
F-35 Mods	P	F3513	Block 3i LRIP 2-5 Upgrade	216.8											216.8
		F3514	Block 3F LRIP 2-5 Upgrade	9.6											9.6
		F3515	Block 3F LRIP 6-8 Upgrade	2.9											2.9
		F3516	Concurrency	898.3	8.1	1.0	16.9		16.9	13.6	13.1				951.1
		F3517	Correction of Deficiencies	226.5	82.0	111.5	127.1		127.1	145.9	144.2	141.9	134.7	114.3	1228.1
		F3518	Block 4 Modifications	61.8	149.5	204.5	291.2		291.2	379.6	384.1	403.5	415.7	350.4	2640.2
		F3519	Propulsion		6.2	11.0	12.0		12.0	12.0	12.0	3.4	10.0		66.6
		F3520	Reliability and Maintainability		2.1	5.1	4.5		4.5	4.5	3.5	5.8	5.7	1.4	32.6
TOTAL FOR CLASS P				1415.9	247.9	333.1	451.8		451.8	555.6	556.9	554.6	566.1	466.0	5147.9
TOTAL FOR AIRCRAFT F-35 Mods				1415.9	247.9	333.1	451.8		451.8	555.6	556.9	554.6	566.1	466.0	5147.9

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
F-15 EPAWS	P	8796	EPAWSS F-15E	272.6	163.8	259.8	280.7		280.7	321.3	234.8	118.4	120.9		1772.3
TOTAL FOR CLASS P				272.6	163.8	259.8	280.7		280.7	321.3	234.8	118.4	120.9		1772.3
TOTAL FOR AIRCRAFT F-15 EPAWS				272.6	163.8	259.8	280.7		280.7	321.3	234.8	118.4	120.9		1772.3

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
KC-46	P-S	4601	R&M Safety Mods											2141.8	2141.8
TOTAL FOR CLASS P-S														2141.8	2141.8
	P	4602	Pegasus Advanced Communications Suite (PACS)				0.0		0.0		34.1	45.3	51.0	249.6	379.9
		4603	KC-46 Winglets								20.0	20.6	21.2		61.8
		99999S	Airworthiness Directives	0.0										3143.2	3143.2
		99999X	Low Cost Modifications	0.8	2.0	0.5					5.0	5.0		204.6	217.8
TOTAL FOR CLASS P				0.8	2.0	0.5	0.0		0.0		59.1	70.9	72.2	3597.3	3802.8
TOTAL FOR AIRCRAFT KC-46				0.8	2.0	0.5	0.0		0.0		59.1	70.9	72.2	5739.1	5944.6

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-5	P	8964	C-5 Replace Multifunctional Co							28.2	27.4	28.2	28.8	67.7	180.4
		8965	C-5 Fleet Blk Upgrade 01	13.1											13.1
		8966	C-5 Mission Systems Equipment-Lavatory	42.0		2.4	6.2		6.2	2.0					52.6
		8967	Mission Computer and Weather Radar	91.3	12.5	7.9	11.3		11.3	7.4					130.4
		8968	C-5M Communication Navigation Surveillance/Air Traffic Management (CNS/ATM)	67.7		1.7	4.3		4.3	2.7					76.4
		8969	C-5 Training Systems (Training Mods)		7.8	3.6									11.5
		99999X	Low Cost Modifications	0.0		0.1	2.6		2.6	5.0	5.0	5.0	5.0		22.7
TOTAL FOR CLASS P				214.1	20.3	15.7	24.4		24.4	45.4	32.4	33.2	33.8	67.7	487.0
TOTAL FOR AIRCRAFT C-5				214.1	20.3	15.7	24.4		24.4	45.4	32.4	33.2	33.8	67.7	487.0

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-17	P	_2000	Pylon Stub FFLZ, FF, Translating Fairing	95.5	1.0										96.5
		_2590	ELT Frequency Change	5.2											5.2
		_2633	MFOQA	14.1											14.1
		_3080	Replacement Heads Up Display (RHUD)	124.8	30.9	48.5	33.9		33.9	48.8	11.6	8.8			307.3
		1508	IFF GATM	124.6											124.6
		2901	Automatic Dependent Surveillance - Broadcast Out (ADS-B Out)	83.9											83.9
		6403	Filter Fire Mitigation	1.9	1.6	2.3	2.5		2.5	2.1	2.6	2.1	0.9		16.0
		9740	Fixed Installation Satellite Antenna (FISA)	7.1											7.1
		9741	Beyond Line of Sight (BLOS)	5.5	11.3	80.2	101.3		101.3	47.2	118.2	120.6	115.2		599.5
		9742	C-17 Simulator Lateral Motion Maneuver Enhancement	1.4											1.4
		9744	C-17 Visual System Field of View	1.0											1.0
		9747	C-17 Training System (Other Mods)	12.3	8.1	2.5	1.8		1.8	1.9	1.9	2.7	2.0		33.1
		9748	C-17 Training System (Training Mods)			9.1									9.1
		99999X	Low Cost Modifications	3.4	1.7	0.1	1.0		1.0	0.1	0.1	0.1	5.0		11.5
TOTAL FOR CLASS P				480.6	54.6	142.7	140.6		140.6	100.0	134.4	134.4	123.0		1310.3
TOTAL FOR AIRCRAFT C-17				480.6	54.6	142.7	140.6		140.6	100.0	134.4	134.4	123.0		1310.3

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
Common VLI Receiver Increment 2	P	Mod - 9830	COMM 2 Crypto and Data								0.1	4.1	4.2		8.3
TOTAL FOR CLASS P											0.1	4.1	4.2	8.3	
TOTAL FOR AIRCRAFT Common VLF Receiver Increment 2											0.1	4.1	4.2	8.3	

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-32	P	1110	Nitrogen Generation System	22.1											22.1
		1116	WIDEBAND SATCOM	179.2											179.2
		1117	CNS/ATM Compliance	14.9											14.9
		1119	Crew Rest Seats	11.8											11.8
		1120	PNVC				11.7		11.7						11.7
		1121	Crypto Mod 1				7.0		7.0	7.1					14.1
		99999S	SERVICE BULLETINS	1.0	0.0	1.0	0.0		0.0	0.0	0.0	0.0	0.0		2.0
		99999SG	99999SG - Service Bulletins - C-32B	4.9											4.9
		99999X	Low Cost Modifications	0.0	0.0	1.0	0.4		0.4	0.0	0.0	0.0	0.0		1.5
		99999XG	99999XG - Low Cost Mods - C-32B	9.9	1.9	2.0									13.9
TOTAL FOR CLASS P				243.8	1.9	4.1	19.1		19.1	7.1	0.0	0.0	0.0		276.0
TOTAL FOR AIRCRAFT C-32				243.8	1.9	4.1	19.1		19.1	7.1	0.0	0.0	0.0		276.0

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-37	P	1117	WIDEBAND SATCOM	13.0											13.0
		1118	CNS/ATM Compliance	17.6											17.6
		1122	SAT 906		6.0	4.3	2.0		2.0						12.3
		1123	Crypto Mod 1				11.0		11.0	9.3	0.0				20.3
		99999S	SERVICE BULLETINS	0.1		1.0	0.0		0.0						1.1
		99999X	Low Cost Modifications	0.7		0.7	0.4		0.4						1.9
TOTAL FOR CLASS P				31.4	6.0	6.1	13.5		13.5	9.3	0.0				66.2
TOTAL FOR AIRCRAFT C-37				31.4	6.0	6.1	13.5		13.5	9.3	0.0				66.2

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
GLIDER MODS	P	5324	T-53 PERFORMANCE ENHANCEMENT				4.9		4.9	2.6					7.5
		99999S	SERVICE BULLETINS				0.3		0.3	0.0	0.1	0.1	0.1		0.5
		99999X	Low Cost Modifications	6.3	0.1	0.1	0.1		0.1	0.1	0.1	0.1	0.1		7.1
TOTAL FOR CLASS P				6.3	0.1	0.1	5.3		5.3	2.7	0.2	0.2	0.2		15.0
TOTAL FOR AIRCRAFT GLIDER MODS				6.3	0.1	0.1	5.3		5.3	2.7	0.2	0.2	0.2		15.0

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
T-6	P	9871	T-6A Crash Survivable Recorder				2.5		2.5	0.1	0.1	0.1	0.1		2.9
		9873	Canopy Fracture Initiation System	1.8											1.8
		9877	Avionics Upgrades FAA Compliance	45.6	0.2					0.0					45.8
		9878	Aircrew Training Device (ATD) Modernization	37.9		0.5	0.1		0.1	0.6	0.3	0.3	0.3		40.0
		9893	Crew System Modernization Program	57.3	4.9	5.7	0.1		0.1	2.9					70.9
		9894	Avionics Modernization							153.9	416.4	146.5	371.0	23.0	1110.9
		99999S	SERVICE BULLETINS				0.1		0.1	0.1	0.1	0.1	0.1	0.2	0.7
		99999X	Low Cost Modifications	5.5	3.7		0.1		0.1	0.1	0.1	0.1	0.1		9.7
TOTAL FOR CLASS P				148.0	8.7	6.2	2.9		2.9	157.7	417.0	147.1	371.6	23.2	1282.6
TOTAL FOR AIRCRAFT T-6				148.0	8.7	6.2	2.9		2.9	157.7	417.0	147.1	371.6	23.2	1282.6

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
T-1	P	8997	Avionics Modification	96.0	0.9	6.2	7.1		7.1						110.1
		8998	Crew Relief Station Replacement	0.3											0.3
		99999X	Low Cost Modifications	3.0		0.1	3.9		3.9	0.1	0.1	0.1	3.6		10.9
TOTAL FOR CLASS P				99.2	0.9	6.3	10.9		10.9	0.1	0.1	0.1	3.6		121.3
TOTAL FOR AIRCRAFT T-1				99.2	0.9	6.3	10.9		10.9	0.1	0.1	0.1	3.6		121.3

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
T-38	P-S	99999A	LOW COST SAFETY MODIFICATIONS	0.0						0.0	0.0	0.0	0.0		0.1
TOTAL FOR CLASS P-S				0.0						0.0	0.0	0.0	0.0		0.1
	P	6088	Pacer Classic III	276.1	37.1	40.3	46.4		46.4	33.6		14.8			448.4
		6090	T-38 Avionics	117.5		12.8	54.3		54.3	16.5	6.1	0.6			207.7
		6091	Talon Repair, Inspection and Maintenance	5.4	7.7	18.0	24.1		24.1	33.1	44.8	71.7	56.4	100.2	361.4
		6092	T-38 A/B ADS-B Out	8.3											8.3
		6093	T-38 Canopy	3.7	0.2										3.9
		6094	T-38A/B ESUP II	5.0		26.4									31.4
		99999X	Low Cost Modifications	0.0			0.5		0.5	0.0	1.5	1.2	0.0		3.2
TOTAL FOR CLASS P				416.0	45.0	97.5	125.3		125.3	83.2	52.3	88.3	56.4	100.2	1064.3
TOTAL FOR AIRCRAFT T-38				416.0	45.0	97.5	125.3		125.3	83.3	52.3	88.3	56.4	100.2	1064.3

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
INCREMENT 3.2B	P	11100	INCREMENT 3.2B	295.2											295.2
TOTAL FOR CLASS P				295.2											295.2
TOTAL FOR AIRCRAFT INCREMENT 3.2B				295.2											295.2

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
U-2 Mods	P	4494	U-2 Mod	374.3	56.0	36.2	29.5		29.5						495.9
		4496	ASARS-2B Procurement for U-2	48.1	69.2	45.4	25.2		25.2	69.7	13.0	13.3	13.6		297.6
TOTAL FOR CLASS P				422.4	125.1	81.7	54.7		54.7	69.7	13.0	13.3	13.6		793.6
TOTAL FOR AIRCRAFT U-2 Mods				422.4	125.1	81.7	54.7		54.7	69.7	13.0	13.3	13.6		793.6

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
KC-10	P-S	99999A	LOW COST SAFETY MODIFICATIONS	0.0		0.0	0.0		0.0						0.0
TOTAL FOR CLASS P-S				0.0		0.0	0.0		0.0						0.0
	P	7732	Simulator Lateral Motion Maneuver Enhancement	0.7											0.7
		7733	KC-10 Mode 5	14.5											14.5
		99999S	SERVICE BULLETINS	40.5	1.9	1.7									44.2
		99999X	Low Cost Modifications	8.5		0.0									8.5
TOTAL FOR CLASS P				64.3	1.9	1.7									67.9
TOTAL FOR AIRCRAFT KC-10				64.3	1.9	1.7	0.0		0.0						67.9

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-12	P	99999S	SERVICE BULLETINS	17.0			0.0		0.0						17.0
		99999X	Low Cost Modifications	3.6			0.4		0.4						4.1
TOTAL FOR CLASS P				20.7			0.4		0.4						21.1
TOTAL FOR AIRCRAFT C-12				20.7			0.4		0.4						21.1

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-21	P	1100	Avionics Upgrades and FAA Mandates	61.5											61.5
		99999S	SERVICE BULLETINS	0.7		1.0									1.8
		99999X	Low Cost Modifications	0.6		1.0									1.6
TOTAL FOR CLASS P				62.8		2.0									64.8
TOTAL FOR AIRCRAFT C-21				62.8		2.0									64.8

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
VC-25 Mods	P	9714	WIDEBAND SATCOM	1.0											1.0
		9715	VC-25 Block Upgrade	326.8		0.5	28.2		28.2	11.5	9.4				376.3
		99999S	SERVICE BULLETINS	4.2	0.1	0.5	0.7		0.7	0.5					6.0
		99999X	Low Cost Modifications	2.5		1.2	0.7		0.7	0.6					5.0
TOTAL FOR CLASS P				334.5	0.1	2.1	29.7		29.7	12.6	9.4				388.4
TOTAL FOR AIRCRAFT VC-25 Mods				334.5	0.1	2.1	29.7		29.7	12.6	9.4				388.4

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-40	P	1110	Nitrogen Generation System	6.0											6.0
		1118	WIDEBAND SATCOM	131.5	10.0	10.0									151.5
		1119	CNS/ATM Compliance	21.7											21.7
		1120	Crew Rest Seats	7.3											7.3
		1121	Crypto Mod 1				7.0		7.0	7.0					14.0
		1122	SAT 906			25.0	1.5		1.5						26.5
		99999S	SERVICE BULLETINS	0.3	0.2	1.2	0.0		0.0	0.0					1.7
		99999X	Low Cost Modifications	0.5	0.1	1.0	0.4		0.4	0.0					2.1
TOTAL FOR CLASS P				167.4	10.3	37.2	8.9		8.9	7.1					230.9
TOTAL FOR AIRCRAFT C-40				167.4	10.3	37.2	8.9		8.9	7.1					230.9

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-130	P-S	99999A	LOW COST SAFETY MODIFICATIONS	3.0											3.0
TOTAL FOR CLASS P-S				3.0											3.0
	P	3773	C-130 8-Bladed Propeller Upgrade	431.0	151.0	60.7									642.7
		8221	C-130 ALR-69A Radar Warning Receiver (RWR)	36.0											36.0
		8518	C-130H Avionics Modernization Program (AMP) Increment 2		7.3	79.7	69.2		69.2	122.3	129.9	194.1	121.6		724.1
		8578	C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION)	688.0						19.8	35.9	58.7	59.9	46.8	909.1
		9139	MOD V IFF	42.1											42.1
		9149	C-130 Aux Hyd Pump	16.6											16.6
		92302	C-130H Avionics Modernization Program (AMP) Increment 1	91.1											91.1
		92308	T-56 3.5 Engine Mod	419.0	79.0	41.2									539.2
		92309	Onboard Fire Incident Response Equipment	150.0	6.0	0.1									156.1
		92310	HC-130P/N Variable Speed Drogue (VSD)	1.4											1.4
		92311	Electronic Propeller Control System (EPCS)	141.8											141.8
		92312	In-Flight Propeller Balancing System (IPBS)	1.5											1.5
		92315	C-130H Simulator	40.7	7.1	4.5	0.0		0.0						52.3
		92316	AFSOC C-130 Mods	22.6											22.6
		92322	MAFFS	4.6	20.0	20.0									44.6
		92323	C-130 Finlets			17.5									17.5

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
		99999C	HC-130 Low Cost Mods	1.9											1.9
		99999M	MISC SIMULATOR UPDATES	0.7											0.7
		99999X	Low Cost Modifications	12.9	1.8	1.0	2.0		2.0	2.2	2.1	2.0	1.9	1.9	27.8
TOTAL FOR CLASS P				2101.9	272.3	224.7	71.2		71.2	144.3	167.9	254.9	183.4	48.7	3469.2
		9141	C-130 CRASHWORTHY LOADMASTER SEAT	1.9											1.9
TOTAL FOR CLASS				1.9											1.9
TOTAL FOR AIRCRAFT C-130				2106.8	272.3	224.7	71.2		71.2	144.3	167.9	254.9	183.4	48.7	3474.1

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-130J Mods	P	_2612	Avionics System and Structural Modifications	33.0	4.6	0.2				0.2		0.2			38.1
		_5222	BLOCK 8.1	528.6	82.8	98.8	85.4		85.4	128.1	104.8	121.3	155.9	191.2	1497.0
		_5296	Wind Gust Brake	39.8											39.8
		8646	C-130J Center Wing Replacement	156.1	23.3	13.1	15.1		15.1	17.3	14.9	5.8	17.7	59.8	323.0
		8668	WST Threat Generators	6.7			4.7		4.7	3.0					14.4
		8669	Communication Modernization							17.4	62.8	44.5	12.9	158.2	295.8
		8670	EC-130J Conversion				16.0		16.0	16.0	5.0				37.0
		99999X	Low Cost Modifications	11.3	0.1	0.2	0.1		0.1	0.2	0.2	0.2	0.2		12.5
TOTAL FOR CLASS P				775.6	110.8	112.3	121.3		121.3	182.1	187.7	172.1	186.7	409.1	2257.7
TOTAL FOR AIRCRAFT C-130J Mods				775.6	110.8	112.3	121.3		121.3	182.1	187.7	172.1	186.7	409.1	2257.7

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-135	P-S	99999A	LOW COST SAFETY MODIFICATIONS				0.0		0.0	0.0	0.0	0.0	0.0		0.1
TOTAL FOR CLASS P-S							0.0		0.0	0.0	0.0	0.0	0.0		0.1
	P	8653	BLOCK 45	419.3	51.9	57.0	46.8		46.8	4.7	25.9	18.7			624.4
		9818	VOR/ILS ANTENNAE	9.3	0.4	11.3									20.9
		9824	ADS-B	14.0											14.0
		9826	Rudder Position Indicator (RPI)	19.8	2.6	3.7	7.5		7.5	6.8	3.2	1.5			45.0
		9827	KC-135 AERO-I SATCOM replacement	17.6	1.7	12.0	7.3		7.3	1.6	0.0	0.0			40.1
		9828	Real Time in the Cockpit (RTIC)	45.7		10.8	23.7		23.7	24.6	19.6	1.0			125.3
		9829	MUOS Radios			19.9	33.4		33.4	44.5	21.3	0.7			119.8
		9830	Center Console Refresh									86.7	126.3		213.0
		9831	COMM2 Crypto and Data			5.3	29.6		29.6	36.9	22.4	1.2			95.5
		9832	HF Modernization				0.3		0.3	25.9	54.6	33.7	1.0		115.5
		9833	KC-135 Air Contour System/Aft Body Drag Reduction			11.5									11.5
		9834	KC-135 Vertical Wipers			8.0									8.0
		9835	KC-135 Winglets							35.0	35.0	35.0	35.0		140.0
		99999X	Low Cost Modifications	16.5	2.3	5.0	5.0		5.0	5.0	5.0	5.0	5.0		48.7
TOTAL FOR CLASS P				542.2	58.8	144.6	153.6		153.6	184.9	187.0	183.5	167.3		1621.8
TOTAL FOR AIRCRAFT C-135				542.2	58.8	144.6	153.6		153.6	185.0	187.0	183.5	167.4		1622.0

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
COMPASS CALL	P	1001	COMPASS CALL	47.7											47.7
		1003	COMPASS CALL Baseline Modifications	744.9	195.1	317.1	50.4		50.4	19.2	11.2	52.7			1390.5
		1004	COMPASS CALL Baseline Upgrade			10.3	94.3		94.3	75.3	91.1	142.2	199.0	47.8	659.9
TOTAL FOR CLASS P				792.6	195.1	327.3	144.7		144.7	94.5	102.3	194.9	199.0	47.8	2098.1
TOTAL FOR AIRCRAFT COMPASS CALL				792.6	195.1	327.3	144.7		144.7	94.5	102.3	194.9	199.0	47.8	2098.1

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
CFIN	P	99999X	Low Cost Modifications	1.6			0.4		0.4						2.0
TOTAL FOR CLASS P				1.6			0.4		0.4						2.0
TOTAL FOR AIRCRAFT CFIN				1.6			0.4		0.4						2.0

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
RC - 135	P	_2504	COBRA BALL	47.3	12.7	13.3	13.6		13.6	13.9	14.0	14.3	14.6		143.6
		4263	RIVET JOINT	1067.1	190.6	189.4	195.6		195.6	197.6	200.6	205.2	209.5		2455.7
		4265	COMBAT SENT	66.9	10.2	10.7	10.9		10.9	11.1	11.3	11.5	11.7		144.3
		4266	CONSTANT PHOENIX	216.2											216.2
TOTAL FOR CLASS P				1397.5	213.5	213.4	220.1		220.1	222.6	225.9	231.0	235.8		2959.9
TOTAL FOR AIRCRAFT RC - 135				1397.5	213.5	213.4	220.1		220.1	222.6	225.9	231.0	235.8		2959.9

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
E-3	P	50001T	BLOCK 40/45 UPGRADE	658.2											658.2
		50002	Communication Networking Upgrade (CNU)	25.1	5.4	1.0									31.6
		50002T	AWACS Mode 5 Acceleration	2.7	0.7										3.4
		7225	NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF)	56.8											56.8
		8662	AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS	9.8	0.7	0.2	0.8		0.8	1.0	0.8	0.8	1.4		15.6
		9707	RM&A Mod	22.9											22.9
		9709	E-3 DRAGON	281.0	70.9	11.9	0.2		0.2						363.9
		9716	VERTICAL STABILIZER AND RUDDER	1.8											1.8
		9718	IP-enabled Capability (IPEC)	118.0	12.7										130.7
		9721	AWACS Communications Integration Program (ACIP)			15.8	0.4		0.4	31.5					47.8
		99999XA	LOW COST MOD - AIRFRAME	8.4	1.0	0.3									9.7
		99999XB	LOW COST MOD - AVIONICS & MISSION SYSTEMS	8.4											8.4
		99999XC	Low Cost Mod - Communications	2.0											2.0
		99999XD	Low Cost Mod - Human Systems	2.0											2.0
TOTAL FOR CLASS P				1197.5	91.3	29.2	1.4		1.4	32.6	0.8	0.8	1.4		1355.0
TOTAL FOR AIRCRAFT E-3				1197.5	91.3	29.2	1.4		1.4	32.6	0.8	0.8	1.4		1355.0

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
E-4	P	3411	Survivable SHF		1.6	1.7	6.0		6.0	21.7	25.3	32.6	33.3		122.1
		4380	MUOS	3.5	4.6										8.1
		4406B	AEHF Compatible Terminal/PNVG	37.6	9.8	1.1	2.8		2.8	2.8	2.9	3.0	3.0		63.0
		4409	Low Frequency Transmit System (LFTS)	36.2			0.8		0.8						37.0
		99999S	SERVICE BULLETINS		1.2	1.2	1.5		1.5	6.5	6.6	6.8	7.0		30.9
		99999X	Low Cost Modifications	16.3	2.0	2.0	2.0		2.0	2.0	2.0	2.0	2.0		30.3
TOTAL FOR CLASS P				93.8	19.1	6.0	13.1		13.1	33.0	36.8	44.4	45.3		291.3
TOTAL FOR AIRCRAFT E-4				93.8	19.1	6.0	13.1		13.1	33.0	36.8	44.4	45.3		291.3

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
E-8C	P	38202	Common Data Link	44.2	8.7	16.6									69.5
		38203	Distributed Mission Ops Center (DMOC)	4.0											4.0
		38204	JSTARS OCO Requirements	13.0											13.0
		38206	SATCOM/MUOS Radios	7.6	7.6										15.2
		38207	JSTARS Re-engining	20.0											20.0
TOTAL FOR CLASS P				88.8	16.3	16.6									121.7
TOTAL FOR AIRCRAFT E-8C				88.8	16.3	16.6									121.7

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
Airborne Warning and Control System	P	50001T	BLOCK 40/45 BLOCK UPGRADE	885.2	24.8		0.0		0.0	0.0	0.0	0.0	0.0		910.1
TOTAL FOR CLASS P				885.2	24.8		0.0		0.0	0.0	0.0	0.0			910.1
TOTAL FOR AIRCRAFT Airborne Warning and Control System				885.2	24.8		0.0		0.0	0.0	0.0	0.0			910.1

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
H-1	P-S	8847	UH-1N Safety Modifications	9.4		0.0	0.0		0.0						9.4
TOTAL FOR CLASS P-S				9.4		0.0	0.0		0.0						9.4
	P	_2802	HUEY II MODERNIZATION	5.0											5.0
		8848	AETC FLIR	4.2											4.2
		8849	USMC Missionization	2.5											2.5
		8850	Simulator Concurrency	2.9											2.9
		8860	TH-1H Automatic Dependent Surveillance - Broadcast	2.4											2.4
		8863	Load Stabilizers	11.2	0.6										11.7
		99999T	TH-1h Low Cost Mods	5.3	0.1	0.8	0.4		0.4	1.2	1.2	1.2	2.3		12.5
		99999X	Low Cost Modifications	14.9	0.8	0.9	0.4		0.4	0.9					18.0
TOTAL FOR CLASS P				48.3	1.5	1.8	0.8		0.8	2.1	1.2	1.2	2.3		59.2
TOTAL FOR AIRCRAFT H-1				57.7	1.5	1.8	0.8		0.8	2.1	1.2	1.2	2.3		68.7

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON</u> <u>SYSTEM</u>	<u>CLASS</u>	<u>MOD</u> <u>NR</u>	<u>MODIFICATION</u> <u>TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24</u> <u>OCO</u>	<u>Total</u> <u>FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST</u> <u>TO GO</u>	<u>TOTAL</u> <u>PROG</u>
FBLOST	P	FBLOST - 01	Family of Beyond Line-of-Sight Terminals	90.7											90.7
TOTAL FOR CLASS P				90.7											90.7
TOTAL FOR AIRCRAFT FBLOST				90.7											90.7

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
H060WM	P	99999X	Low Cost Modifications			3.1				5.0	5.0	5.0	5.0		23.1
		H060W2	Integrated Vehicle Health Management System											42.7	42.7
		H060W3	Blue Force Tracker 2											47.7	47.7
		H060W4	Video Data Link											64.0	64.0
		H060W5	Global Positioning System Anti-Jam							0.8	2.8	4.3	4.4	12.1	24.3
		H060W6	Degrade Visual Environment											250.5	250.5
		H060W7	Mobile User Objective System							4.8	13.2	14.9	15.2	36.3	84.4
		H060W8	Obsolescence							41.3	47.3	43.0	43.8	6.1	181.5
TOTAL FOR CLASS P						3.1				51.9	68.3	67.2	68.4	459.3	718.1
TOTAL FOR AIRCRAFT H060WM						3.1				51.9	68.3	67.2	68.4	459.3	718.1

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
HH-60 Mods	P	8844	Multi-function Color Display	50.1	1.6	2.3	0.3		0.3	0.1	0.2				54.6
		8850	MODE 5	38.0	0.3	0.2	0.3		0.3	0.2	0.2				39.3
		8853	DEFENSIVE SYSTEM UPGRADE	57.4	4.2	6.0	2.0		2.0	0.5	0.1				70.2
		8854	HH-60 OLR Mission Modification	467.1	0.6	1.0	0.8		0.8	0.1	0.1				469.6
		8859	DVE Sensor	39.7											39.7
		8861	HH-60 DATALINKS	31.7											31.7
		99999X	Low Cost Modifications	8.6	2.4	1.2	0.8		0.8	1.1	1.5				15.7
TOTAL FOR CLASS P				692.7	9.1	10.8	4.2		4.2	2.0	2.1				720.9
TOTAL FOR AIRCRAFT HH-60 Mods				692.7	9.1	10.8	4.2		4.2	2.0	2.1				720.9

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>	
HC/MC-130 Recap	P	5222	HC/MC-130J Block 8.1	9.5	7.8		29.6		29.6	27.9	38.1	38.6	36.5		188.0	
		8632	MC-130J Increment 2	39.4	0.3	0.0										39.7
		8634	HC-130J Common Configuration	45.4	0.0											45.4
		8635	HC-130J Personnel Locator System	16.9	0.0											16.9
		8636	HC-130J Situational Awareness	113.4	8.6	13.3					0.0					135.3
		8639	Wireless Intercom	10.6												10.6
		8642	(AbMN) Airborne Mission Networking	68.8	45.2	38.7					10.0	12.4	12.7	13.5		201.3
		8648	ADS-B out Acceleration	2.2												2.2
		8652	(RFCM) Radio Frequency Countermeasures	80.5												80.5
		8658	Paratroop Door	26.9		12.5	1.4			1.4	18.3					59.0
		8659	Broadband Antenna	9.4												9.4
		8737	HC-Communications Modernization Phase I				10.2			10.2	28.7	104.1	32.4	1.3		176.8
		8760	HC Trainer Modifications			20.0	0.0			0.0	0.0					20.0
		8761	MC/AC-Communications Modernization Phase I		2.4	7.2	27.1			27.1	0.4	43.4	110.3	0.0	0.0	190.8
		8762	MC-130J Link 16	4.4	0.0											4.4
		8763	HC-130J Link 16									5.3	5.4			10.7
		8764	MC-Trainer Modifications		83.6	12.3	7.5			7.5	29.4	29.8	30.4	31.0	0.0	224.1
		8765	LAIRCM Updates			4.8	1.8			1.8	0.0					6.6

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
		8767	HC-Star XIII				5.4		5.4	47.4	53.6	0.1	11.7		118.2
		8768	HC-EO/IR Sensor Modification				16.2		16.2	19.4	53.8				89.4
		99999W	HC-Low Cost Mods				1.8		1.8	5.0	5.0	0.2			12.0
		99999X	HC- Low Cost Modifications	11.9	0.1	0.9									12.8
		99999Y	MC-Low Cost Modifications			0.1					0.1	0.1			0.3
TOTAL FOR CLASS P				439.2	148.0	109.8	101.1		101.1	186.6	345.7	230.2	94.1	0.0	1654.6
TOTAL FOR AIRCRAFT HC/MC-130 Recap				439.2	148.0	109.8	101.1		101.1	186.6	345.7	230.2	94.1	0.0	1654.6

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
OTHER (BP11)	P	8669	Full Combat Mission Training	76.4											76.4
		8670	MAF Training	50.3	0.1	12.4	0.1		0.1	0.1	0.1	0.1	0.1		63.3
		8671	Tactical Data Link Communications Capabilities				3.4		3.4	42.3	43.2	44.2	44.2		177.3
		8674	ATP upgrade Legacy to SE	162.0	0.2										162.2
		8675	ATP-SE Technology Insertion	122.5	14.6										137.1
		8676	ATP-TI Increment 1			9.5	50.5		50.5	54.7	236.2	57.0	58.2		466.0
		8733	Battlefield ABN Comm Node (BACN)	53.0	37.9	18.7									109.5
		8736	Counterdrug USSOUTHCOM Support	1.2											1.2
		99999J	MISCELLANEOUS LOW COSTS MODS (Combat Developments)	147.7	0.2	0.1	0.2		0.2	0.2	0.2	0.2	0.2		148.8
		HH-60U	HH-60U	7.4	1.9	1.1									10.4
TOTAL FOR CLASS P				620.5	54.8	41.8	54.1		54.1	97.3	279.7	101.4	102.6		1352.3
TOTAL FOR AIRCRAFT OTHER (BP11)				620.5	54.8	41.8	54.1		54.1	97.3	279.7	101.4	102.6		1352.3

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
MQ-9 Mods	P	9151	Block 5	76.3						0.0					76.3
		9152	MQ-9 Field	338.5	5.5	8.2									352.3
		9154	Lynx SAR	96.1											96.1
		9155	GCS Blk 30	205.2	14.0										219.2
		9159	R&M enhancements	91.2	12.8										104.0
		9164	Extended Range MQ-9	353.3	6.7	1.3	0.0		0.0						361.3
		9167	MQ-9 Upgrade	555.3	127.8	179.1	36.6		36.6	7.7	7.7				914.2
		9168	MQ-9 SLAM			22.8	61.5		61.5	4.6	4.4	29.2	29.8		152.4
		99999B	MQ-9 Low Cost Mods	16.6											16.6
TOTAL FOR CLASS P				1732.5	166.8	211.5	98.1		98.1	12.3	12.2	29.2	29.8		2292.4
TOTAL FOR AIRCRAFT MQ-9 Mods				1732.5	166.8	211.5	98.1		98.1	12.3	12.2	29.2	29.8		2292.4

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
MQ-9 UAS Payloads	P	9169	Gorgon Stare	134.2	45.2			0.0	0.0						179.4
TOTAL FOR CLASS P				134.2	45.2			0.0	0.0						179.4
TOTAL FOR AIRCRAFT MQ-9 UAS Payloads				134.2	45.2			0.0	0.0						179.4

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
SLC3SA	P	C-32 - SLC3SA	C-32 - SLC3SA		8.5	5.2	7.1		7.1	12.7	12.7	12.7	12.7		71.5
		C-37 - SLC3SA	C-37 - SLC3SA		13.6	16.4	14.7		14.7	8.1	8.1	8.1	8.1		77.2
		C-40 - SLC3SA	C-40 - SLC3SA		6.1	3.1	3.0		3.0	4.0	4.1	4.1	4.1		28.5
		VC-25A - SLC3SA	VC-25A - SLC3SA		0.1	0.1	0.1		0.1	0.1					0.4
TOTAL FOR CLASS P					28.3	24.8	24.8		24.8	25.0	24.9	24.9	24.9		177.6
TOTAL FOR AIRCRAFT SLC3SA					28.3	24.8	24.8		24.8	25.0	24.9	24.9	24.9		177.6

P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>WEAPON SYSTEM</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
CV-22 Mods	P	8791	Block 20 V2	499.7	224.0	151.0	148.0		148.0	159.5	160.7	153.2	156.5		1652.6
		99999X	Low Cost Modifications	25.4	3.0	2.0	5.0		5.0	5.0	5.0	5.0	5.0	4.0	59.4
TOTAL FOR CLASS P				525.1	227.0	153.0	153.0		153.0	164.5	165.7	158.2	161.5	4.0	1712.0
TOTAL FOR WEAPON SYSTEM CV-22 Mods				525.1	227.0	153.0	153.0		153.0	164.5	165.7	158.2	161.5	4.0	1712.0

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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
EWAISP	- Electronic Warfare Avionics Integration Support Facility
FLIR	- Forward Looking Infra Red

UNCLASSIFIED

UNCLASSIFIED

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
OOC	- Overseas Operations Costs
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

UNCLASSIFIED

UNCLASSIFIED

R&M	- Reliability and Maintainability
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

UNCLASSIFIED

UNCLASSIFIED

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

UNCLASSIFIED

UNCLASSIFIED

CONTRACT METHOD / TYPE ACRONYMS

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

CONTRACTED BY ACRONYMS

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

UNCLASSIFIED

UNCLASSIFIED

AFFTC	- Air Force Flight Test Center, Edwards AFB, CA
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

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	385.650	23.278	89.217	107.980	-	107.980	57.162	51.707	52.370	15.780	-	783.144
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	385.650	23.278	89.217	107.980	-	107.980	57.162	51.707	52.370	15.780	-	783.144
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	385.650	23.278	89.217	107.980	-	107.980	57.162	51.707	52.370	15.780	-	783.144

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

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

Description:

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

Funding for the exhibit is primarily in PE 0101127F (B-2 Squadrons). Some trainer efforts are funded in PE 0809731F (Training Support to Units), and other efforts are funded under PE 0207446F (Bomber Tactical Data Link).

Crash Survivable Memory Unit (CSMU) program, Mod Number 110062, was terminated in Fiscal Year 2022; all remaining program funds will support contract closeout activities.

Funds may be used to resolve emerging safety of flight and diminishing manufacturing sources issues, accommodate technology insertion and fulfill FAA or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	110032 / LINK 16/CID/IFR (Capability Improvement)				- / 5.306	- / 0.203	- / 0.213	- / 0.216	- / -	- / 0.216
P-40a***	110054 / B-2 Flex Strike Phase 1 (Capability Improvement)				- / 30.796	- / -	- / -	- / -	- / -	- / -
P-40a***	110056 / B61-12 Integration (Capability Improvement)				- / 39.549	- / -	- / -	- / -	- / -	- / -
P-40a***	110057 / MGUE (Capability Improvement)				- / 23.242	- / 0.314	- / 4.436	- / -	- / -	- / -
P-40a***	110062 / Crash Survivable Memory Unit (CSMU) (Capability Improvement)				- / -	- / -	- / -	- / 0.539	- / -	- / 0.539
P-40a***	110065 / B-2 GBU-57 MOP Integration (Capability Improvement)				- / 21.494	- / -	- / -	- / -	- / -	- / -
P-40a***	8882 / Common Very Low Frequency Terminal (Capability Improvement)				- / 61.136	- / -	- / -	- / -	- / -	- / -
P-40a***	99999U / B-2 Low Cost Engine Modifications (Reliability & Maintainability)				- / 18.006	- / 0.947	- / 1.056	- / 0.803	- / -	- / 0.803
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 20.832	- / 3.405	- / 0.803	- / 0.687	- / -	- / 0.687
P-3a	110031 / B-2 Trainer System Upgrade (Capability Improvement)		A		- / 59.177	- / 5.573	- / 7.009	- / 16.686	- / 0.000	- / 16.686
P-3a	110035 / LOW OBSERVABLE SIGNATURE AND SUPPORTABILITY MODS (Reliability & Maintainability)		A		- / 91.875	- / 9.741	- / 16.195	- / 21.279	- / 0.000	- / 21.279
P-3a	110043 / 110043/B-2 Advanced Communications (Capability Improvement)		A		- / 14.237	- / 0.300	- / 0.000	- / 28.979	- / 0.000	- / 28.979
P-3a	110044 / B-2 DMS / Displays (Capability Improvement)		B		- / 0.000	- / 0.000	- / 43.457	- / 28.156	- / 0.000	- / 28.156
P-3a	110061 / IFF Mode 5/S (Capability Improvement)		B		- / 0.000	- / 2.795	- / 16.048	- / 10.635	- / 0.000	- / 10.635
P-40	Total Gross/Weapon System Cost				- / 385.650	- / 23.278	- / 89.217	- / 107.980	- / -	- / 107.980

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	110032 / LINK 16/CID/IFR (Capability Improvement)				- / 0.221	- / 0.224	- / 0.229	- / 0.234	- / -	- / 6.846
P-40a***	110054 / B-2 Flex Strike Phase 1 (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 30.796
P-40a***	110056 / B61-12 Integration (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 39.549
P-40a***	110057 / MGUE (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 27.992
P-40a***	110062 / Crash Survivable Memory Unit (CSMU) (Capability Improvement)				- / 0.467	- / -	- / -	- / -	- / -	- / 1.006
P-40a***	110065 / B-2 GBU-57 MOP Integration (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 21.494
P-40a***	8882 / Common Very Low Frequency Terminal (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 61.136
P-40a***	99999U / B-2 Low Cost Engine Modifications (Reliability & Maintainability)				- / 0.823	- / 0.836	- / 0.855	- / 0.873	- / -	- / 24.199
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 0.702	- / 0.714	- / 0.731	- / 0.746	- / -	- / 28.620
P-3a	110031 / B-2 Trainer System Upgrade (Capability Improvement)		A		- / 1.142	- / 1.164	- / 1.190	- / 1.215	- / -	- / 93.156

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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-3a	110035 / LOW OBSERVABLE SIGNATURE AND SUPPORTABILITY MODS (Reliability & Maintainability)		A		- / 11.954	- / 12.193	- / 12.440	- / 12.698	- / -	- / 188.375
P-3a	110043 / 110043/B-2 Advanced Communications (Capability Improvement)		A		- / 26.575	- / 32.735	- / 33.479	- / -	- / -	- / 136.305
P-3a	110044 / B-2 DMS / Displays (Capability Improvement)		B		- / 15.278	- / 3.841	- / 3.446	- / 0.014	- / -	- / 94.192
P-3a	110061 / IFF Mode 5/S (Capability Improvement)		B		- / 0.000	- / 0.000	- / -	- / -	- / -	- / 29.478
P-40	Total Gross/Weapon System Cost				- / 57.162	- / 51.707	- / 52.370	- / 15.780	- / -	- / 783.144

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

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

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

Justification:
See individual P-3A's for FY24 PB Budget justification

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110031 / B-2 Trainer System Upgrade

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	59.177	5.573	7.009	16.686	0.000	16.686	1.142	1.164	1.190	1.215	-	93.156
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	59.177	5.573	7.009	16.686	0.000	16.686	1.142	1.164	1.190	1.215	-	93.156
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	59.177	5.573	7.009	16.686	0.000	16.686	1.142	1.164	1.190	1.215	-	93.156

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

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

Description:

The B-2 Training System upgrade program ensures concurrency with the aircraft, provides for the evolution of the B-2 Training System as dictated by technology, global threat, and national security realities, and enables the B-2 anti-access/area denial and global strike mission. The B-2 Training System provides initial qualification, proficiency, continuation, re-qualification, mission rehearsal, and upgrade training for B-2 aircrew, maintainers, and weapons loaders. It includes, but is not limited to, the following training elements at Whiteman AFB: three Weapon System Trainers (WSTs) with instructor-operator stations, four Cockpit Procedure Trainers (CPTs), a Weapons Loading Trainer (WLT); a Crew Escape System Maintenance Trainer (CESMT); a Flight Control System Trainer (FCST); a Mission Viewing Room (MVR); and a Training System Support Center (TSSC). The B-2 Training System also includes five maintenance training classrooms each consisting of a Computerized Maintenance Training System (CMTS), six computer-based training (CBT) Weapon System Training Aids (WSTAs), and an instructor operator station.

The B-2 Training System upgrade effort includes, but is not limited to, updates to training device hardware and computers, simulation software, courseware lessons and academics materials, instructional system design architectures, engineering drawings, and system documentation not driven by a funded aircraft modification. These upgrades are ongoing and necessary to ensure concurrent, relevant, and realistic training while providing the combat fidelity necessary to train operational and warfighter employment requirements, preserving precious flight hours, avoiding 30-40 hour on-aircraft training sorties or committing an aircraft to maintenance and weapons loading training negatively affecting aircraft availability. Upgrades include, but are not limited to, updates to threat systems parametric and order of battle information, updates to the communications suite, upgrades of radar emulation components and capabilities in the WSTs/Mission Trainers, updates of display systems and subsystems, and fidelity upgrades of the WST to more precisely resemble air refueling and take-off/landing procedures experienced in the jet. Additional improvements include updates to courseware and simulation associated with nuclear and conventional guided weapons delivery, expanded crypto keyfill training, upgrade of the electronic combat environment threat database. Improvements will also include expanded "freeplay" capability on the CPTs and CMTSS, upgrade of the WST simulation to provide weapons as powered up upon completion of initial conditions, upgrade of the current Defensive Management System simulation and the alternative/emergency procedures courseware, and upgrade of the Suppressor tool. Upgrades may also include Virtual Reality/Augmented Reality training devices and associated software to enhance realism and effectiveness of training. Additionally provides a Mission Director Room, including providing two-way communication (voice and text), providing the ability to prepare scripted events and/or input real-time modifications to the virtual environment (i.e. weather, players, etc.), the means to preview missions, observe live events, and review recorded events, and upgrade of the simulation and computational processors as necessary. Efforts also include upgrades to the Mission Generation System, allowing faster generation of WST missions, among other benefits, and efforts to enhance training fidelity and realism. Additionally, Diminishing Manufacturing Sources efforts to include removal of end-of-life software/hardware within simulators systems and move to a modular, common open systems architecture that is sustainable and cyber-resilient. Implement requirements and standards defined under the Simulator Common Architecture Requirements and Standards (SCARS) initiative. Life of Type buys may be implemented when appropriate to address diminishing manufacturing sources and materiel shortages for affected components and subassemblies to protect the planned production program by mitigating unplanned part redesign and re-qualification risks.

Quantities and delivery dates have not been included due to the wide variety of ongoing modification efforts to the various elements of the B-2 Training System. B-2 Training System funding includes aircraft modification funds from PE 0809731F, specifically for the Maintenance Training System. These amounts are reflected on the P3-A in the "EQUIPMENT Group B (Active)" row. Funds may be used to resolve emerging safety of flight and diminishing manufacturing sources issues, accommodate technology insertion and fulfill FAA or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: B00200 / B-2A				Modification Number / Title: 110031 / B-2 Trainer System Upgrade				
ID Code (A=Service Ready, B=Not Service Ready) : A						MDAP/MAIS Code:						
Models of Systems Affected: B-2			Modification Type: Capability Improvement				Related RDT&E PEs: 0101127F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1:</i> B-2 Trainer Mods												
A Kits												
Recurring												
B-2 Trainer Mods:INSTALL KITS Group A (Active)	- / 5.889	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.889
<i>Subtotal: Recurring</i>	- / 5.889	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.889
B Kits												
Recurring												
B-2 Trainer Mods:EQUIPMENT Group B (Active)	- / 44.130	- / 5.573	- / 6.480	- / 15.031	- / -	- / 15.031	- / 0.960	- / 0.901	- / 0.935	- / 1.215	- / -	- / 75.225
<i>Subtotal: Recurring</i>	- / 44.130	- / 5.573	- / 6.480	- / 15.031	- / -	- / 15.031	- / 0.960	- / 0.901	- / 0.935	- / 1.215	- / -	- / 75.225
<i>Subtotal: B-2 Trainer Mods</i>	- / 50.019	- / 5.573	- / 6.480	- / 15.031	- / -	- / 15.031	- / 0.960	- / 0.901	- / 0.935	- / 1.215	- / -	- / 81.114
<i>Subtotal: Procurement, All Modification Items</i>	- / 50.019	- / 5.573	- / 6.480	- / 15.031	- / -	- / 15.031	- / 0.960	- / 0.901	- / 0.935	- / 1.215	- / -	- / 81.114
Support (All Modification Items)												
SIM/TRAINER	0 / 8.591	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 8.591
PMA - Other Gov't Costs	- / 0.567	- / -	- / 0.529	- / 1.655	- / -	- / 1.655	- / 0.182	- / 0.263	- / 0.255	- / -	- / -	- / 3.451
<i>Subtotal: Support</i>	0 / 9.158	- / -	- / 0.529	- / 1.655	- / -	- / 1.655	- / 0.182	- / 0.263	- / 0.255	- / -	- / -	0 / 12.042
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	59.177	5.573	7.009	16.686	0.000	16.686	1.142	1.164	1.190	1.215	-	93.156

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1			P-1 Line Item Number / Title: B00200 / B-2A			Modification Number / Title: 110031 / B-2 Trainer System Upgrade	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 1 of 1: B-2 Trainer Mods							
Manufacturer Information							
Manufacturer Name: L3 Comm				Manufacturer Location: Binghamton, NY			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110035 / LOW OBSERVABLE SIGNATURE AND SUPPORTABILITY MODS

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	91.875	9.741	16.195	21.279	0.000	21.279	11.954	12.193	12.440	12.698	-	188.375
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	91.875	9.741	16.195	21.279	0.000	21.279	11.954	12.193	12.440	12.698	-	188.375
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	91.875	9.741	16.195	21.279	0.000	21.279	11.954	12.193	12.440	12.698	-	188.375

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

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

Description:

The Low Observable Signature and Supportability Modifications (LOSSM) program supports the B-2 ability to penetrate anti-access combat environments, performing missions directed by the National Command Authority while ensuring aircrew survivability. The LOSSM program reduces low observable (LO) maintenance man hours, increases aircraft availability, and maintains and improves the combat-ready LO signature for the B-2 fleet. This program includes multiple improvement projects including, but not limited to, improved LO materials (conductive gap fillers and tape, adhesives, electrically resistive materials, radar absorbing material, fastener fills, coatings, and improved processes), LO structures (radar radomes, hot trailing edges and tiles, intermediate section doors, tailpipes, windows, bay panels, permanent fasteners, exhaust pockets, gust load alleviation system, inlets, radar absorbing structures, antenna optimization, overall signature stability, and Alternate High Frequency Material expansion), and radio frequency (RF) diagnostic tools and a near-field radar evaluation system, flight line Tier One Material Inspection System, Signature Diagnostic System, Portable Laser Removal Tool, next generation Tier II and Tier III systems, Hand held Imaging Tool, Test Article 0998 optimization, LO-related special test equipment, and B-2 specific improvements/efforts to Air Force Research Laboratory's Mobile Diagnostic Laboratory).

As this program encompasses multiple projects, the number of installs will not be representative of the number of aircraft affected. Some modifications will be made to each of the 20 B-2 aircraft and other modifications will be made to related B-2 support equipment. Various lead times are required for the different modifications causing numerous contract and delivery dates. As each project completes/fields, those projects are then removed from the LOSSM portfolio.

This program is essential to B-2 Anti-Access and Global Strike mission and supports Aircraft Availability Improvement Program goals. The "Method of Implementation" for these components varies based on the teams performing these component installations. Installs occur at Depot and flight line level and include both organic or contractor field teams.

The FY 2024 funding will be used for prioritized projects in support of the continued survivability and maintainability of the B-2 fleet as described above. Funds may be used to resolve emerging safety of flight and diminishing manufacturing sources issues, accommodate technology insertion and fulfill FAA or other mandates necessary to ensure continued aircrew safety and mission readiness/effectiveness. All LOSSM projects have been combined and are included in the Other GOVT Costs category. Additionally, program funds may be used for Airframe Hardware Supportability Modifications (AHSM). The AHSM program increases aircraft availability and ensures mission effectiveness by targeting flight control, defensive management, communication, armament, and other system components that are the greatest contributors to aircraft downtime and/or ineffective system performance through lack of spares, extensive man-hours to troubleshoot and repair, and/or high failure rates. This program addresses current and forecasted obsolescence, Diminishing Manufacturing Sources/Material Shortages (DMSMS), and effective and timely repairs at both the field and depot levels. It also targets components whose failure rates, mean time to repair (MTTR)

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110035 / LOW OBSERVABLE SIGNATURE AND SUPPORTABILITY MODS

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

hours, and performance levels fail to meet established baseline targets/specifications. This program includes multiple efforts including, but not limited to, the Radio Frequency Switching Unit, Radar Receiver Exciter, Radar Signal Processor, Flight Control Computer, Band 1 Radio Frequency Front End (RFFE), Air Turbine Starter Control Valve.

Milestone/Development Status

The Low Observable Signature and Supportability Modification program is a small portfolio of projects that delivers capabilities monthly/annually. Development efforts continue to mature LO materials and technologies to overcome obsolescence and aging fleet issues. This program has associated Research Development Test and Evaluation funding in PE 0101127F.



UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110035 / LOW OBSERVABLE SIGNATURE AND SUPPORTABILITY MODS

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

Models of Systems Affected: B-2	Modification Type: Reliability & Maintainability	Related RDT&E PEs: 0101127F
--	---	--

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1:</i> LO Upgrades												
A Kits												
Recurring												
LO Upgrades:INSTALL KITS Group A (Active)	- / 20.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.751
<i>Subtotal: Recurring</i>	- / 20.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.751
<i>Subtotal: LO Upgrades</i>	- / 20.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.751
<i>Subtotal: Procurement, All Modification Items</i>	- / 20.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.751
Support (All Modification Items)												
GROUP A: TOTAL NONRECURRING	- / 2.717	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.717
Data	- / 5.603	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.603
OTHER GOVT	- / 41.650	- / 6.811	- / 14.408	- / 19.973	- / -	- / 19.973	- / 10.048	- / 10.355	- / 9.302	- / 10.698	- / -	- / 123.245
SUPPORT-EQUIP	- / 9.081	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.081
PMA - Other Gov't Costs	- / 12.073	- / 2.930	- / 1.787	- / 1.306	- / -	- / 1.306	- / 1.906	- / 1.838	- / 3.138	- / 2.000	- / -	- / 26.978
<i>Subtotal: Support</i>	- / 71.124	- / 9.741	- / 16.195	- / 21.279	- / -	- / 21.279	- / 11.954	- / 12.193	- / 12.440	- / 12.698	- / -	- / 167.624
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	91.875	9.741	16.195	21.279	0.000	21.279	11.954	12.193	12.440	12.698	-	188.375

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1			P-1 Line Item Number / Title: B00200 / B-2A			Modification Number / Title: 110035 / LOW OBSERVABLE SIGNATURE AND SUPPORTABILITY MODS	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 1 of 1: LO Upgrades							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110043 / 110043/B-2 Advanced Communications

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	14.237	0.300	0.000	28.979	0.000	28.979	26.575	32.735	33.479	-	-	136.305
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	14.237	0.300	0.000	28.979	0.000	28.979	26.575	32.735	33.479	-	-	136.305
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	14.237	0.300	0.000	28.979	0.000	28.979	26.575	32.735	33.479	-	-	136.305

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

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

Description:

B-2 Advanced Communications (formerly known only as Adaptable Communications Suite) supports and enhances the aircraft's communications capabilities to keep the B-2 ready, effective, and survivable by complying with growing crypto mandates and mitigating end of life systems. Requirements include but are not limited to, Secure Beyond-Line-of-Sight (BLOS) communications, Line-of-Sight (LOS) communications, and the ability to communicate and operate in the Joint All-Domain Command and Control (JADC2) environment throughout all mission phases. Multiple modernization efforts are underway to achieve the requirements listed in the AFGSC1067, including, but not limited to, Adaptable Communications Suite (ACS) 4.0, Airborne Integrated Terminal Group (AITG) Replacement and B-2 Collaborative Combat Communication (B2C3).

ACS is a non-integrated system that provides SATCOM connectivity for Command and Control en route to the target. A critical capability is the ability to receive Airborne Mission Transfer (AMT) and BLOS situational awareness. Upgrades of the ACS racks are accomplished by multiple increments with multiple install schedules, the current fielded system is ACS 3.2. As requirements are identified, obsolescence issues may also be addressed to ensure continued system effectiveness. This effort includes improvements to the suite of B-2 ACS Ultra High Frequency (UHF) communications system in order to become part of the baseline configuration, as well as modernization upgrades to conform to mandates. The pending sunset of the UHF Follow-On satellite constellation will reduce ACS 3.2's communication effectiveness. ACS 4.0 will retain secure BLOS communication capabilities via the Multiple User Objective System (MUOS) satellite constellation.

AITG provides LOS UHF communications and Very High Frequency (VHF) anti-jam, encrypted, and unencrypted voice communications. AITG Replacement will include the replacement of the AN/ARC-234 radio which will reach end-of-life effective 01 Oct 2026. AITG replacement will also implement the SATURN Waveform for anti-jam voice communications; this is a transition from the HAVE QUICK Waveform which will be retired effective 01 Oct 2024.

B2C3 objective is to identify, leverage, and integrate existing capabilities (such as ACS 4.0 & AITG) to meet B-2 communications requirements. B2C3 is a compilation of multiple efforts (can be thought of as an integration effort) designed to deliver the Open Mission Systems (OMS) architecture (domain) within the B-2. A B2C3 objective is to integrate an independent OMS avionics architecture integrated on the B-2. By controlling this interface, the B-2 warfighter gains the ability to rapidly develop and field new technologies. This will provide an integrated concept that merges BLOS and LOS Link-16 data into the cockpit display and provides a single consolidated Tactical Situation Display (TSD) centrally located for the aircrew.

Funds may be used to resolve emerging safety of flight and diminishing manufacturing sources issues, accommodate technology insertion and fulfill FAA or other necessary modifications to ensure continued aircrew safety and mission effectiveness.

Prior years procurement quantity and costs were from previous ACS increments. One (1) EMD spare for ACS 4.0 will be installed with Procurement funding.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110043 / 110043/B-2 Advanced Communications

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

The requirement for B2C3 installs is for 20 aircraft. Currently the program is funded to modify 10 aircraft (8 Production + 2 EMD). Future funding for the remaining fleet will be addressed in future budget cycles. This modification includes procurement of 18 aircraft kits + 2 EMD kits that will be installed via contract field teams (CFT).

Milestone/Development Status

ACS Increments 1 through 3.2 started development in 2006, with the final install of ACS Increment 3.2 completed in January 2021. ACS 4.0 program entered Tech Maturation & Risk Reduction (TMRR) phase in September 2018 and held the System Requirements Review (SRR) in March 2022. The program awarded the current follow-on TMRR phase in August 22, and completed both System Functional Review (SFR)/ Preliminary Design Review (PDR) and Milestone B in December 2022. The follow-on EMD contract award with the prime contractor, Sierra Nevada Corporation (SNC), is planned for 3QFY23 and Milestone C is planned for 4QFY24.

AITG started trade studies in FY21. Development is planned to begin in Q1FY24 and production/fielding is planned to begin in Q1FY26.

B2C3 is currently planned as a spiral development effort, the spirals build on each other to achieve requirements but are also flexible and severable in their development and fielding. Spiral 1 development began October 2022 and production/fielding phase is planned for Q1FY24.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1					P-1 Line Item Number / Title: B00200 / B-2A					Modification Number / Title: 110043 / 110043/B-2 Advanced Communications			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: B-2				Modification Type: Capability Improvement				Related RDT&E PEs: 0101127F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 3: ACS Upgrade													
A Kits													
Recurring													
ACS Upgrade:INSTALL KITS Group A (Active)	- / 4.824	- / -	- / -	2 / 3.696	- / -	2 / 3.696	8 / 14.784	7 / 12.936	- / -	- / -	- / -	17 / 36.240	
Subtotal: Recurring	- / 4.824	- / -	- / -	- / 3.696	- / -	- / 3.696	- / 14.784	- / 12.936	- / -	- / -	- / -	- / 36.240	
B Kits													
Recurring													
ACS Upgrade:EQUIPMENT Group B (Active)	- / 0.090	- / -	- / -	2 / 0.947	- / -	2 / 0.947	8 / 3.788	7 / 3.315	- / -	- / -	- / -	17 / 8.140	
Subtotal: Recurring	- / 0.090	- / -	- / -	- / 0.947	- / -	- / 0.947	- / 3.788	- / 3.315	- / -	- / -	- / -	- / 8.140	
Subtotal: ACS Upgrade	- / 4.914	- / -	- / -	- / 4.643	- / -	- / 4.643	- / 18.572	- / 16.251	- / -	- / -	- / -	- / 44.380	
Modification Item 2 of 3: AITG													
A Kits													
Recurring													
AITG:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 9.009	10 / 25.275	- / -	- / -	16 / 34.284	
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.009	- / 25.275	- / -	- / -	- / 34.284	
B Kits													
Recurring													
AITG:EQUIPMENT Group B (Active)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.287	10 / 3.811	- / -	- / -	16 / 6.098	
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.287	- / 3.811	- / -	- / -	- / 6.098	
Subtotal: AITG	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.296	- / 29.086	- / -	- / -	- / 40.382	
Modification Item 3 of 3: B2C3													
A Kits													
Recurring													
B2C3:INSTALL KITS Group A (Active)	- / -	- / -	- / -	18 / 4.000	- / -	18 / 4.000	- / -	- / -	- / -	- / -	- / -	18 / 4.000	
Subtotal: Recurring	- / -	- / -	- / -	- / 4.000	- / -	- / 4.000	- / -	- / -	- / -	- / -	- / -	- / 4.000	
Subtotal: B2C3	- / -	- / -	- / -	- / 4.000	- / -	- / 4.000	- / -	- / -	- / -	- / -	- / -	- / 4.000	
Subtotal: Procurement, All Modification Items	- / 4.914	- / -	- / -	- / 8.643	- / -	- / 8.643	- / 18.572	- / 27.547	- / 29.086	- / -	- / -	- / 88.762	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 0.659	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.659	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110043 / 110043/B-2 Advanced Communications

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

Models of Systems Affected: B-2	Modification Type: Capability Improvement	Related RDT&E PEs: 0101127F
--	--	--

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000
ICS-Labor	- / -	- / -	- / -	- / 0.154	- / -	- / 0.154	- / 0.615	- / 0.539	- / -	- / -	- / -	- / 1.308
Data	- / 4.456	- / 0.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.609
OTHER GOVT	- / 0.361	- / 0.091	- / -	- / 3.885	- / -	- / 3.885	- / 6.564	- / 0.929	- / 0.140	- / -	- / -	- / 11.970
PMA - Other Gov't Costs	- / 1.231	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.231
SIM/TRAINER	- / -	- / -	- / -	- / 0.097	- / -	- / 0.097	- / 0.387	- / 0.338	- / -	- / -	- / -	- / 0.822
SUPPORT-EQUIP	- / 2.616	- / 0.056	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.672
<i>Subtotal: Support</i>	<i>- / 9.323</i>	<i>- / 0.300</i>	<i>- / -</i>	<i>- / 4.136</i>	<i>- / -</i>	<i>- / 4.136</i>	<i>- / 7.566</i>	<i>- / 1.806</i>	<i>- / 0.140</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 23.271</i>
Installation												
<i>Modification Item 1 of 3: ACS Upgrade</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>3 / 0.437</i>	<i>8 / 1.748</i>	<i>7 / 1.530</i>	<i>- / -</i>	<i>- / -</i>	<i>18 / 3.715</i>
<i>Modification Item 2 of 3: AITG</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>6 / 1.634</i>	<i>10 / 2.723</i>	<i>- / -</i>	<i>- / -</i>	<i>16 / 4.357</i>
<i>Modification Item 3 of 3: B2C3</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>8 / 16.200</i>	<i>- / -</i>	<i>8 / 16.200</i>	<i>10 / 0.000</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>18 / 16.200</i>
<i>Subtotal: Installation</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>8 / 16.200</i>	<i>- / -</i>	<i>8 / 16.200</i>	<i>13 / 0.437</i>	<i>14 / 3.382</i>	<i>17 / 4.253</i>	<i>- / -</i>	<i>- / -</i>	<i>52 / 24.272</i>
Total												
Total Cost (Procurement + Support + Installation)	14.237	0.300	0.000	28.979	0.000	28.979	26.575	32.735	33.479	-	-	136.305

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110043 / 110043/B-2 Advanced Communications

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

Modification Item 1 of 3: ACS Upgrade

Manufacturer Information

Manufacturer Name: Sierra Nevada Corporation	Manufacturer Location: Englewood, CO
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Aug 2024	Nov 2024	Nov 2025		
Delivery Dates			Aug 2025	Nov 2025	Nov 2026		

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.437	- / -	- / -	- / -	- / -	3 / 0.437
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.748	- / -	- / -	- / -	8 / 1.748
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.530	- / -	- / -	7 / 1.530
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.437	8 / 1.748	7 / 1.530	- / -	- / -	18 / 3.715

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	2	2	2	2	2	2	1	-	-	-	-	0	18
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	2	2	2	2	2	2	1	-	-	-	-	0	18

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110043 / 110043/B-2 Advanced Communications

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

Modification Item 2 of 3: AITG

Manufacturer Information

Manufacturer Name: Northrup Grumman	Manufacturer Location: Palmdale, CA
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 4

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates					Nov 2025	Nov 2026	
Delivery Dates					Mar 2026	Mar 2027	

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.634	- / -	- / -	- / -	6 / 1.634
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.723	- / -	- / -	10 / 2.723
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.634	10 / 2.723	- / -	- / -	16 / 4.357

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	3	3	-	-	-	-	0	16
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	3	3	-	-	-	-	0	16

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110043 / 110043/B-2 Advanced Communications

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

Modification Item 3 of 3: B2C3

Manufacturer Information

Manufacturer Name: Northrup Grumman	Manufacturer Location: Palmdale, CA
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 4

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Nov 2023				
Delivery Dates			Mar 2024				

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	8 / 16.200	- / -	8 / 16.200	10 / 0.000	- / -	- / -	- / -	- / -	18 / 16.200
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	8 / 16.200	- / -	8 / 16.200	10 / 0.000	- / -	- / -	- / -	- / -	18 / 16.200

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	2	3	3	3	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	0	18
Out	0	-	-	-	-	-	-	-	-	-	2	3	3	3	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	0	18

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110044 / B-2 DMS / Displays

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	43.457	28.156	0.000	28.156	15.278	3.841	3.446	0.014	-	94.192
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	43.457	28.156	0.000	28.156	15.278	3.841	3.446	0.014	-	94.192
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	43.457	28.156	0.000	28.156	15.278	3.841	3.446	0.014	-	94.192

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

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

Description:

The B-2 Display Modernization (BDM) program will modernize the eight primary B-2 cockpit displays. The current displays known as Multi-function Display Units (MDUs) are experiencing significant obsolescence issues that are unsustainable. Increasing failure rates and reliance on the legacy Cathode Ray Tube (CRT) technology with no industry base has led to increased cannibalization actions and degraded readiness status known as Mission Impaired Capability Awaiting Parts (MICAP), which will impact aircraft availability in FY27.

The B-2 BDM program will deliver fully integrated MDUs. Each aircraft kit will fully replace the aging and unrepairable legacy MDUs. The program baseline includes updated display software in support of the new MDUs. During 3600 development, the engineering baseline will be finalized and four production representative kits will be procured to support integrated development/operational test and development evaluation testing, as well as B-2 Nuclear Certification testing.

The BDM production contract will be awarded following the BMD MS C decision to reach Full Operational Capability (FOC) by the need date of the B-2's #1 MICAP in September 2026. Aircraft modification funds will be used to procure full hardware kits, which include procurement components. Life of type buys may be implemented, when appropriate, to address diminishing manufacturing sources and materiel shortages for affected components and sub-assemblies to protect the planned production program by mitigating unplanned part redesign and re-qualification risks. Funds may be used to resolve emerging safety of flight, deficiencies, manufacturing sources, materiel shortages, and diminishing manufacturing sources, accommodate technology insertion and fulfill FAA or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

Milestone/Development Status

The Engineering Development Units were delivered in 2QFY23, and the Flight Justification Units are scheduled to be delivered in 4QFY23. BDM Production contract award is planned for 3QFY23 after the initial product baseline is established prior to Milestone C. Combined Developmental Test & Evaluation (DTE) and Initial Operational Test & Evaluation (IOT&E) is planned for 1QFY25; Operational Test & Evaluation (OTE) is planned 2QFY25, and the final Technical Data Package (TDP) is planned for 4QFY25.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: B00200 / B-2A				Modification Number / Title: 110044 / B-2 DMS / Displays				
ID Code (A=Service Ready, B=Not Service Ready) : B						MDAP/MAIS Code:						
Models of Systems Affected: B-2				Modification Type: Capability Improvement				Related RDT&E PEs: 0101127F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
0101127F	2 / 143.768	2 / 58.415	- / 62.558	- / 37.156	- / -	- / 37.156	- / -	- / -	- / -	- / -	- / -	4 / 301.897
Procurement												
<i>Modification Item 1 of 1:</i> B-2 Displays Modernization (BDM) Equipment Group B (Active)												
B Kits												
Recurring												
B-2 Displays Modernization (BDM) Equipment Group B (Active):EQUIPMENT Group B (Active)	- / -	- / -	8 / 37.781	5 / 23.613	- / -	5 / 23.613	3 / 14.168	- / -	- / -	- / -	- / -	16 / 75.562
<i>Subtotal: Recurring</i>	- / -	- / -	- / 37.781	- / 23.613	- / -	- / 23.613	- / 14.168	- / -	- / -	- / -	- / -	- / 75.562
<i>Subtotal: B-2 Displays Modernization (BDM) Equipment Group B (Active)</i>	- / -	- / -	- / 37.781	- / 23.613	- / -	- / 23.613	- / 14.168	- / -	- / -	- / -	- / -	- / 75.562
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 37.781	- / 23.613	- / -	- / 23.613	- / 14.168	- / -	- / -	- / -	- / -	- / 75.562
Support (All Modification Items)												
PMA - Other Gov't Costs	- / -	- / -	- / 5.676	- / 4.543	- / -	- / 4.543	- / 1.110	- / 3.841	- / 3.446	- / 0.014	- / -	- / 18.630
<i>Subtotal: Support</i>	- / -	- / -	- / 5.676	- / 4.543	- / -	- / 4.543	- / 1.110	- / 3.841	- / 3.446	- / 0.014	- / -	- / 18.630
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	0.000	0.000	43.457	28.156	0.000	28.156	15.278	3.841	3.446	0.014	-	94.192

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1			P-1 Line Item Number / Title: B00200 / B-2A			Modification Number / Title: 110044 / B-2 DMS / Displays	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 1: B-2 Displays Modernization (BDM) Equipment Group B (Active)							
Manufacturer Information							
Manufacturer Name: Northrup Grumman Corp				Manufacturer Location: Palmdale, CA			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 18			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		May 2023	May 2024	May 2025			
Delivery Dates		Nov 2024	Nov 2025	Nov 2026			
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 16		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110061 / IFF Mode 5/S

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	2.795	16.048	10.635	0.000	10.635	0.000	0.000	-	-	-	29.478
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	2.795	16.048	10.635	0.000	10.635	0.000	0.000	-	-	-	29.478
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	2.795	16.048	10.635	0.000	10.635	0.000	0.000	-	-	-	29.478

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

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

Description:

The B-2 Identification Friend or Foe (IFF) Mode 5/S Program is part of B-2 Integrated Functional Capability (IFC) drop P6.6, which also includes software sustainment updates and form, fit, function hardware replacement. The IFC Process is the framework within which B-2 modernization and sustainment improvements are designed, developed, integrated, tested, and delivered. The intent of the IFC construct is to minimize the number of different aircraft configurations in the field at any one time and to maximize aircraft availability to the operator. If unplanned content (modification or sustainment) is inserted into a defined and approved IFC, it may increase the development time of the IFC, and the programs within that IFC. IFC P6.6 is baselined off of IFCs P6.4 and P6.5. Planned B-2 IFF Mode 5/S Program (IFC P6.6) fielding will begin 4QFY24 thru 4QFY26.

The DoD established Global Air Traffic Management renamed Communications, Navigation, Surveillance/Air Traffic Management (CNS/ATM) requirements in response to changes in global air traffic control procedures. IFF Mode 5/S is a required element of Communications, Navigation, Surveillance/Air Traffic Management (CNS/ATM). Mode 5 is the DoD/NATO mandated standard for secure combat identification and provides improved discrimination between closely spaced platforms, while reducing interference with civil air traffic control transponders enabling the B-2 fleet to accomplish its anti-access and global strike mission. Mode 5 replaced the obsolete Mode 4 combat identification. Mode S provides improved accuracy, altitude resolution and reduced interference from closely spaced aircraft through interrogation of assigned transponder addresses. Funding for this modification will be used for IFF transponder and Group A kit hardware purchases and hardware/software install/modification of the B-2 fleet, IFF related updates to B-2 training systems, and other items necessary to support IFF Mode 5/S install on the B-2 fleet. Seventeen kits are planned with procurement dollars, and the remaining three kits funded with RDT&E. The IFF transponders have a 12 month lead-time and Group A hardware has a 9-12 month lead-time from placement of order to delivery. In order to begin installs in 4QFY24, the IFF transponders and Group A hardware must be ordered in 4QFY23.

Funds may be used to resolve emerging safety of flight and diminishing manufacturing sources issues, accommodate technology insertion and fulfill FAA or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

Included in the installation schedule is one (1) EMD spare that will be installed with Procurement funding in FY23.

The requirement for the B-2 Airspace Compliance program is to modify 20 B-2 aircraft. Currently the program is funded to modify 10 aircraft (2 EMD + 8 Procurement). Future funding for the remaining fleet installs will be addressed in future budget cycles.

Milestone/Development Status

Milestone B decision and Engineering & Manufacturing Development (EMD) contract award occurred in 4QFY19 with EMD period of performance planned for 4QFY19 to 2QFY24. Milestone C and Production phase contract award is planned for 2QFY24.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110061 / IFF Mode 5/S
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:
Aircraft Breakdown: ACTIVE 20, RESERVE 0, ANG 0, TOTAL 20		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1					P-1 Line Item Number / Title: B00200 / B-2A					Modification Number / Title: 110061 / IFF Mode 5/S			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: B-2A				Modification Type: Capability Improvement				Related RDT&E PEs: 0101127F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0101127F	- / 29.673	- / 12.309	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 41.982	
Procurement													
Modification Item 1 of 1: Airspace Compliance													
A Kits													
Recurring													
Airspace Compliance:INSTALL KITS Group A (Active)	- / -	- / -	9 / 2.118	8 / 1.710	- / -	8 / 1.710	- / -	- / -	- / -	- / -	- / -	17 / 3.828	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 2.118	- / 1.710	- / -	- / 1.710	- / -	- / -	- / -	- / -	- / -	- / 3.828	
B Kits													
Recurring													
Airspace Compliance:EQUIPMENT Group B (Active)	- / -	- / -	9 / 0.888	8 / 0.801	- / -	8 / 0.801	- / -	- / -	- / -	- / -	- / -	17 / 1.689	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 0.888	- / 0.801	- / -	- / 0.801	- / -	- / -	- / -	- / -	- / -	- / 1.689	
<i>Subtotal: Airspace Compliance</i>	- / -	- / -	- / 3.006	- / 2.511	- / -	- / 2.511	- / -	- / -	- / -	- / -	- / -	- / 5.517	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 3.006	- / 2.511	- / -	- / 2.511	- / -	- / -	- / -	- / -	- / -	- / 5.517	
Support (All Modification Items)													
OTHER GOVT	- / -	- / 2.522	- / 1.375	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.897	
A&AS	- / -	- / -	- / 1.386	- / 1.591	- / -	- / 1.591	- / -	- / -	- / -	- / -	- / -	- / 2.977	
PMA - Other Gov't Costs	- / -	- / 0.273	- / 0.085	- / 0.318	- / -	- / 0.318	- / -	- / -	- / -	- / -	- / -	- / 0.676	
<i>Subtotal: Support</i>	- / -	- / 2.795	- / 2.846	- / 1.909	- / -	- / 1.909	- / -	- / -	- / -	- / -	- / -	- / 7.550	
Installation													
Modification Item 1 of 1: Airspace Compliance													
	- / -	- / -	0 / 10.196	1 / 6.215	- / -	1 / 6.215	9 / 0.000	8 / 0.000	- / -	- / -	- / -	18 / 16.411	
<i>Subtotal: Installation</i>	- / -	- / -	- / 10.196	1 / 6.215	- / -	1 / 6.215	9 / -	8 / -	- / -	- / -	- / -	18 / 16.411	
Total													
Total Cost (Procurement + Support + Installation)	0.000	2.795	16.048	10.635	0.000	10.635	0.000	0.000	-	-	-	29.478	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B00200 / B-2A	Modification Number / Title: 110061 / IFF Mode 5/S
---	---	--

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

Modification Item 1 of 1: Airspace Compliance

Manufacturer Information

Manufacturer Name: Raytheon Manufacturer Location: Aberdeen Proving Grounds, MD

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Dec 2023	Jun 2024				
Delivery Dates		Dec 2024	Jun 2025				

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	0 / 10.196	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 10.196
FY 2024	- / -	- / -	- / -	1 / 6.215	- / -	1 / 6.215	9 / 0.000	8 / 0.000	- / -	- / -	- / -	18 / 6.215
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	0 / 10.196	1 / 6.215	- / -	1 / 6.215	9 / 0.000	8 / 0.000	- / -	- / -	- / -	18 / 16.411

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	1	1	2	3	3	2	2	2	2	-	-	-	-	-	-	-	-	0	18
Out	0	-	-	-	-	-	-	-	-	-	-	-	1	1	2	3	3	2	2	2	2	-	-	-	-	-	-	-	-	0	18

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	948.611	27.406	36.313	12.757	-	12.757	3.315	2.743	1.001	1.367	-	1,033.513
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	948.611	27.406	36.313	12.757	-	12.757	3.315	2.743	1.001	1.367	-	1,033.513
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	948.611	27.406	36.313	12.757	-	12.757	3.315	2.743	1.001	1.367	-	1,033.513

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	54.290
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The B-1B Lancer is a swing-wing, supersonic, long-range, conventional bomber. It carries the largest payload of both guided and unguided weapons in the Air Force inventory.

The multi-mission B-1B is the backbone of America's long-range conventional bomber force and can rapidly deliver massive quantities of precision (and non-precision) weapons against any adversary, anywhere in the world, at any time.

The B-1B modernization projects alleviate aircraft obsolescence issues due to Diminishing Manufacturing Sources (DMS) while at the same time providing improved capabilities to the B-1B weapon system that require significant hardware and software development and testing.

The BY funding request was reduced by \$3.877 million to account for the availability of prior year execution balances

The total B-1B inventory is 45 aircraft with an expected service life beyond 2037.

FY24 B01B00, PE 0101126F is submitting a Technical Adjustment to realign \$2.975 million to 000999, PE 0101126F spares for B-1 Radio Crypto Compliance Program

Funding for this exhibit contained in PE 0101126F

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	24.443	36.313	12.757	-	12.757	3.315	2.743	1.001	1.367
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.963	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	27.406	36.313	12.757	-	12.757	3.315	2.743	1.001	1.367

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date: March 2023**

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

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

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	4280 / Fully Integrated Data Links (Capability Improvement)				- / 414.856	- / 4.789	- / 9.942	- / -	- / -	- / -
P-40a***	4284 / CITS UPGRADE (Service Life Extension)				- / 125.776	- / 3.053	- / 4.707	- / -	- / -	- / -
P-40a***	4291 / B-1 TRAINING SUPPORT (Capability Improvement)				- / 5.137	- / 0.771	- / 0.101	- / 0.500	- / -	- / 0.500
P-40a***	8971 / VERTICAL SITUATION DISPLAYS (Service Life Extension)				- / 295.369	- / 6.524	- / 7.248	- / -	- / -	- / -
P-40a***	92294 / LAPTOP CONTROLLED TARGETING POD (Capability Improvement)				- / 89.563	- / -	- / -	- / -	- / -	- / -
P-40a***	92314 / MIDS-JTRS (Capability Improvement)				- / 7.975	- / 2.870	- / 6.595	- / -	- / -	- / -
P-40a***	92317 / IFF Mode 5/S ADS-B (Capability Improvement)				- / 4.252	- / 5.522	- / 0.000	- / 0.000	- / -	- / 0.000
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 5.683	- / 3.877	- / 0.001	- / 0.001	- / -	- / 0.001
P-3a	92316 / Radio Crypto Compliance (Capability Improvement)		B		- / 0.000	- / 0.000	- / 7.719	- / 12.256	- / 0.000	- / 12.256
P-40	Total Gross/Weapon System Cost				- / 948.611	- / 27.406	- / 36.313	- / 12.757	- / -	- / 12.757

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	4280 / Fully Integrated Data Links (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 429.587
P-40a***	4284 / CITS UPGRADE (Service Life Extension)				- / -	- / -	- / -	- / -	- / -	- / 133.536
P-40a***	4291 / B-1 TRAINING SUPPORT (Capability Improvement)				- / 0.512	- / 0.520	- / 0.532	- / 0.888	- / -	- / 8.961
P-40a***	8971 / VERTICAL SITUATION DISPLAYS (Service Life Extension)				- / -	- / -	- / -	- / -	- / -	- / 309.141
P-40a***	92294 / LAPTOP CONTROLLED TARGETING POD (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 89.563
P-40a***	92314 / MIDS-JTRS (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 17.440
P-40a***	92317 / IFF Mode 5/S ADS-B (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 9.774
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 0.001	- / 0.001	- / 0.001	- / 0.001	- / -	- / 9.566
P-3a	92316 / Radio Crypto Compliance (Capability Improvement)		B		- / 2.802	- / 2.222	- / 0.468	- / 0.478	- / -	- / 25.945
P-40	Total Gross/Weapon System Cost				- / 3.315	- / 2.743	- / 1.001	- / 1.367	- / -	- / 1,033.513

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

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

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

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

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B01B00 / B-1B	Modification Number / Title: 92316 / Radio Crypto Compliance

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	7.719	12.256	0.000	12.256	2.802	2.222	0.468	0.478	-	25.945
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	7.719	12.256	0.000	12.256	2.802	2.222	0.468	0.478	-	25.945
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	7.719	12.256	0.000	12.256	2.802	2.222	0.468	0.478	-	25.945

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

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

Description:

The B-1B Radio Crypto program originates from JROCM 040-11, VACM Cease Key CED-026-11, UHF SATCOM (Ultra-High Frequency Satellite Communication) Decommission and Cease Key for Demand Assigned Multi Access (DAMA) Orderwire, HAVE QUICK II Cease use date, and DoD CIO Mobile User Objective System (MUOS) transition directive. If the requirements/directives are not met, B-1B will lose its secure line of sight, beyond line of sight, and anti-jam communication with ground and air forces. The initiative will replace the existing ARC-210 (Gen 3/4) with the ARC-210 (Gen 6) next generation radios. Additionally, the program will provide MUOS Satellite Communication capability that supports the DoD Chief Information Officer (CIO) directive to move all DoD assets to MUOS constellation (70% by FY26). This effort will lay in Ethernet cable required by MUOS Data (J-REAP C), install MUOS ancillaries (HPA/LNA), and additional software to execute MUOS capability on the aircraft.

The ARC-210 (Gen 6) radios (Group B kits) have a 24 month lead time, and the remaining B-Kit LRUs, wiring harnesses and hardware kits (Group A kits) have a 6 month lead time. In order to fulfill the Radio-Crypto mandates the planned production strategy is to procure production assets in two (2) lots (1 & 2) based on available funding and aircraft availability for installs.

Lot 1 includes B-kits of 48 ARC-210 (Gen 6) Line Replaceable Units (LRUs) for 24 aircraft (2 each per aircraft), and 24 LNA/T, HPA, 1/2 RCU & Router LRUs (1 each per aircraft). Additionally, group A-Kits includes 12 wiring harnesses and hardware kits (1 each per aircraft).

Lot 2 includes B-kits of 38 ARC-210 (Gen 6) LRUs for 19 aircraft (2 each per aircraft), and 19 LNA/T, HPA, 1/2 RCU & Router LRUs (1 each per aircraft). Additionally, group A-Kits includes 19 wiring harnesses and hardware kits (1 each per aircraft).

Installs will be with organic support.

Funding may be used, but not limited to, addressing Diminishing Manufacturing Sources (DMS) issues.

FY24 B01B00, PE 0101126F is submitting a Technical Adjustment to realign \$2.975 million to 000999, PE 0101126F spares for B-1 Radio Crypto Compliance Program

Milestone/Development Status

Continue Engineering and Manufacturing Development (EMD) Phase.
Major Milestone: Acquisition Strategy Panel (ASP) - 2QFY23

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B01B00 / B-1B	Modification Number / Title: 92316 / Radio Crypto Compliance
---	---	--

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

	Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	7.719	12.256	-	12.256	2.802	2.222	0.468	0.478
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.000	7.719	12.256	0.000	12.256	2.802	2.222	0.468	0.478

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: B01B00 / B-1B						Modification Number / Title: 92316 / Radio Crypto Compliance			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: B-1				Modification Type: Capability Improvement				Related RDT&E PEs: 0101126F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0101126F	2 / 23.087	- / 23.121	- / 10.044	- / 15.101	- / -	- / 15.101	- / 17.802	- / 1.953	- / -	- / -	- / -	2 / 91.108	
Procurement													
Modification Item 1 of 2: RC Production - Lot 1													
A Kits													
Recurring													
RC Production - Lot 1:INSTALL KITS Group A (Active)	- / -	- / -	12 / 1.300	12 / 1.300	- / -	12 / 1.300	- / -	- / -	- / -	- / -	- / -	24 / 2.600	
Subtotal: Recurring	- / -	- / -	- / 1.300	- / 1.300	- / -	- / 1.300	- / -	- / -	- / -	- / -	- / -	- / 2.600	
B Kits													
Recurring													
RC Production - Lot 1:EQUIPMENT Group B (Active)	- / -	- / -	24 / 6.319	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 6.319	
Subtotal: Recurring	- / -	- / -	- / 6.319	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.319	
Subtotal: RC Production - Lot 1	- / -	- / -	- / 7.619	- / 1.300	- / -	- / 1.300	- / -	- / -	- / -	- / -	- / -	- / 8.919	
Modification Item 2 of 2: RC Production - Lot 2													
A Kits													
Recurring													
RC Production - Lot 2:INSTALL KITS Group A (Active)	- / -	- / -	- / -	8 / 0.800	- / -	8 / 0.800	- / -	- / -	- / -	- / -	- / -	8 / 0.800	
Subtotal: Recurring	- / -	- / -	- / -	- / 0.800	- / -	- / 0.800	- / -	- / -	- / -	- / -	- / -	- / 0.800	
B Kits													
Recurring													
RC Production - Lot 2:EQUIPMENT Group B (Active)	- / -	- / -	- / -	8 / 3.400	- / -	8 / 3.400	9 / 2.769	- / -	- / -	- / -	- / -	17 / 6.169	
Subtotal: Recurring	- / -	- / -	- / -	- / 3.400	- / -	- / 3.400	- / 2.769	- / -	- / -	- / -	- / -	- / 6.169	
Subtotal: RC Production - Lot 2	- / -	- / -	- / -	- / 4.200	- / -	- / 4.200	- / 2.769	- / -	- / -	- / -	- / -	- / 6.969	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / 7.619	- / 5.500	- / -	- / 5.500	- / 2.769	- / -	- / -	- / -	- / -	- / 15.888	
Support (All Modification Items)													
A&AS	- / -	- / -	- / 0.100	- / 0.705	- / -	- / 0.705	- / -	- / 0.500	- / -	- / -	- / -	- / 1.305	
PMA - Other Gov't Costs	- / -	- / -	- / -	- / 0.705	- / -	- / 0.705	- / 0.033	- / 0.700	- / 0.468	- / 0.478	- / -	- / 2.384	
PMA - Contractor Services	- / -	- / -	- / -	- / 0.705	- / -	- / 0.705	- / -	- / 0.022	- / -	- / -	- / -	- / 0.727	
Change Orders	- / -	- / -	- / -	- / 0.705	- / -	- / 0.705	- / -	- / 1.000	- / -	- / -	- / -	- / 1.705	
SIM/TRAINER	- / -	- / -	- / -	27 / 2.601	- / -	27 / 2.601	- / -	- / -	- / -	- / -	- / -	27 / 2.601	
GFP	- / -	- / -	- / -	- / 0.630	- / -	- / 0.630	- / -	- / -	- / -	- / -	- / -	- / 0.630	
ICS-Material	- / -	- / -	- / -	- / 0.705	- / -	- / 0.705	- / -	- / -	- / -	- / -	- / -	- / 0.705	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: B01B00 / B-1B						Modification Number / Title: 92316 / Radio Crypto Compliance		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: B-1				Modification Type: Capability Improvement				Related RDT&E PEs: 0101126F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<i>Subtotal: Support</i>	- / -	- / -	- / 0.100	27 / 6.756	- / -	27 / 6.756	- / 0.033	- / 2.222	- / 0.468	- / 0.478	- / -	27 / 10.057
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	0.000	0.000	7.719	12.256	0.000	12.256	2.802	2.222	0.468	0.478	-	25.945

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1			P-1 Line Item Number / Title: B01B00 / B-1B			Modification Number / Title: 92316 / Radio Crypto Compliance	
ID Code (A=Service Ready, B=Not Service Ready) : B				MDAP/MAIS Code:			
Modification Item 1 of 2: RC Production - Lot 1							
Manufacturer Information							
Manufacturer Name: Collins Aerospace				Manufacturer Location: Richmond, TX			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 24			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Mar 2023					
Delivery Dates		Mar 2025					
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 24		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1			P-1 Line Item Number / Title: B01B00 / B-1B			Modification Number / Title: 92316 / Radio Crypto Compliance	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 2 of 2: RC Production - Lot 2							
Manufacturer Information							
Manufacturer Name: Collins Aerospace				Manufacturer Location: Richmond, TX			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 24			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Jan 2024	Jan 2025			
Delivery Dates			Jan 2026	Jan 2027			
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 17		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

Line Item MDAP/MAIS Code: 574

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	720.742	70.420	106.784	65.815	-	65.815	257.886	401.957	1,168.135	1,101.380	70.830	3,963.949
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	720.742	70.420	106.784	65.815	-	65.815	257.886	401.957	1,168.135	1,101.380	70.830	3,963.949
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	720.742	70.420	106.784	65.815	-	65.815	257.886	401.957	1,168.135	1,101.380	70.830	3,963.949

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

Initial Spares (<i>\$ in Millions</i>)	-	-	1.578	5.235	-	5.235	5.012	0.222	0.227	0.232	-	12.506
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

NOTE: The FY22 Total Obligation Authority is 56.220 million. A 14.2 million FY2022 rescission from FY23 NDAA is not accounted for.

The B-52H is a long-range strategic bomber capable of delivering the widest variety of nuclear and conventional standoff and direct attack munitions in the Air Force. The Air Force maintains 76 B-52Hs in its inventory. The Air Force plans to fly the B-52H to 2050. The B-52H averages 20,371 airframe hours as of Mar 2023.

This line item funds modifications to the B-52H aircraft.

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.

The BY2024 funding request was reduced by \$22.348 million to account for the availability of prior year execution balances.

Funding for the exhibit contained in PE 0101113F. Funding under this PE may be used to alleviate Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	65.907	103.130	57.670	-	57.670	249.618	393.681	1,156.447	1,086.940
AFR									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	4.513	3.654	8.145	-	8.145	8.268	8.276	11.688	14.440
Total: Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	70.420	106.784	65.815	-	65.815	257.886	401.957	1,168.135	1,101.380

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

Line Item MDAP/MAIS Code: 574

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	3265 / B-52 Anti-Skid Replacement (Reliability & Maintainability)				- / 22.873	- / -	- / -	- / -	- / -	- / -
P-40a***	3310 / B-52 Combat Network Communications Technology (Capability Improvement)				- / 620.025	- / 15.737	- / 5.258	- / -	- / -	- / -
P-40a***	6885 / AETC Trainers (B-52) (Other)				- / 14.690	- / 0.389	- / 0.560	- / 0.744	- / -	- / 0.744
P-40a***	6891 / B-52 WST AR Upgrade Trainer (Other)				- / 0.855	- / -	- / -	- / -	- / -	- / -
P-40a***	6892 / B-52 Low Cost Improvements (Capability Improvement)				- / 13.753	- / 6.525	- / 0.545	- / 0.662	- / -	- / 0.662
P-40a***	6893 / GPS-IU Replacement (Capability Improvement)				- / -	- / 7.863	- / 23.040	- / -	- / -	- / -
P-40a***	6897 / B-52 CERP (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a***	6899 / B-52 Quad Crew Initiative (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a***	6900 / Advanced Extremely High Frequency (AEHF) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a***	6901 / Airspace Compliance (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a***	99999X / Other Mods (Other)				- / 22.235	- / 0.476	- / 0.500	- / 0.446	- / -	- / 0.446
P-3a	6889 / Bomber Tactical Data link (Capability Improvement)		B		- / 26.311	- / 15.841	- / 32.358	- / 23.369	- / 0.000	- / 23.369
P-3a	6890 / B-52 Radar Modernization (Capability Improvement)		B		- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-3a	6894 / B-52 Crypto Modernization (Capability Improvement)		B		- / -	- / 3.452	- / 33.034	- / 14.081	- / 0.000	- / 14.081
P-3a	6896 / B-52 VLF/LF Modernization (Capability Improvement)		B		- / 0.000	- / 20.137	- / 11.489	- / 26.513	- / 0.000	- / 26.513
P-40	Total Gross/Weapon System Cost				- / 720.742	- / 70.420	- / 106.784	- / 65.815	- / -	- / 65.815

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	3265 / B-52 Anti-Skid Replacement (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 22.873
P-40a***	3310 / B-52 Combat Network Communications Technology (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 641.020
P-40a***	6885 / AETC Trainers (B-52) (Other)				- / 2.813	- / 2.861	- / 2.925	- / 4.879	- / -	- / 29.861
P-40a***	6891 / B-52 WST AR Upgrade Trainer (Other)				- / -	- / -	- / -	- / -	- / -	- / 0.855
P-40a***	6892 / B-52 Low Cost Improvements (Capability Improvement)				- / 2.731	- / 2.778	- / 2.841	- / 2.900	- / -	- / 32.735
P-40a***	6893 / GPS-IU Replacement (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 30.903
P-40a***	6897 / B-52 CERP (Reliability & Maintainability)				- / 7.958	- / 20.718	- / 734.093	- / 706.839	- / 70.830	- / 1,540.438
P-40a***	6899 / B-52 Quad Crew Initiative (Capability Improvement)				- / -	- / 44.980	- / 73.094	- / 74.615	- / -	- / 192.689
P-40a***	6900 / Advanced Extremely High Frequency (AEHF) (Capability Improvement)				- / 15.501	- / 93.914	- / 52.694	- / 68.834	- / -	- / 230.943
P-40a***	6901 / Airspace Compliance (Capability Improvement)				- / 14.584	- / 14.536	- / 14.571	- / 14.875	- / -	- / 58.566
P-40a***	99999X / Other Mods (Other)				- / 1.962	- / -	- / -	- / -	- / -	- / 25.619

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

P-1 Line Item Number / Title:
B05200 / B-52

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

Line Item MDAP/MAIS Code: 574

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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-3a	6889 / Bomber Tactical Data link (Capability Improvement)		B		- / 20.625	- / 8.514	- / 7.702	- / 7.862	- / -	- / 142.582
P-3a	6890 / B-52 Radar Modernization (Capability Improvement)		B		- / 155.668	- / 203.059	- / 271.950	- / 215.169	- / 0.000	- / 845.846
P-3a	6894 / B-52 Crypto Modernization (Capability Improvement)		B		- / 22.992	- / 4.160	- / 4.934	- / 5.037	- / -	- / 87.690
P-3a	6896 / B-52 VLF/LF Modernization (Capability Improvement)		B		- / 13.052	- / 6.437	- / 3.331	- / 0.370	- / -	- / 81.329
P-40	Total Gross/Weapon System Cost				- / 257.886	- / 401.957	- / 1,168.135	- / 1,101.380	- / 70.830	- / 3,963.949

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

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

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

Justification:
The following programs are receiving procurement funding in FY24, more information for each program can be found in the respective P-3As:

6885/AETC Trainers: Replaces obsolete or unsustainable equipment in trainer aircraft.
6889/Bomber Tactical Data Link
6892/B-52 Low Cost Improvements
6884/B-52 Crypto Modernization
6896/B-52 VLF/LF Modernization
1/Other Mods

FY24 B05200, Aircraft Procurement, Modification, PE 0101113F is submitting a Technical Adjustment to realign \$14.017 million to Research Development, Test and Evaluation (RDT&E), BA07, PE 0101113F for B-52 Squadrons 675160 Crypto Modernization

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6889 / Bomber Tactical Data link
---	---	---

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	26.311	15.841	32.358	23.369	0.000	23.369	20.625	8.514	7.702	7.862	-	142.582
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	26.311	15.841	32.358	23.369	0.000	23.369	20.625	8.514	7.702	7.862	-	142.582
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	26.311	15.841	32.358	23.369	0.000	23.369	20.625	8.514	7.702	7.862	-	142.582

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

Initial Spares <i>(\$ in Millions)</i>	4.876	-	-	4.773	-	4.773	4.793	-	-	-	-	14.442
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Bomber Tactical Data Link (TDL) 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. The program consists of integrating an existing off-the-shelf Link 16 terminal into the B-52H. Integration includes Group A wiring, rack, and antennas, along with the Group B blanking unit and notch filter Line Replaceable Units (LRU). Multi-Functional Information Distribution System Joint Tactical Radio System (MIDS-JTRS) terminals will be installed inside Section 41 of the aircraft and two external antennas will be mounted on the top and bottom of the fuselage. The TDL terminal and LOS capability will be integrated with the rest of the Combat Network Communications Technology (CONNECT) subsystem. Updates to Common Link Integration Processing (CLIP) will be required to support both LOS and Beyond Line-of-Sight (BLOS) message processing.

This modification is required for the B-52 fleet of 76 aircraft. This modification includes procurement of 74 contractor provided aircraft kits and 2 Engineering and Manufacturing Development (EMD) kits that will be installed via programmed depot maintenance (PDM) and contract field teams (CFT).

Funds may be used to address requirements including, but not limited to, emerging and short-notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for both aircraft and associated training systems, test, and safety of flight issues. Additionally, funds may accommodate Program Management Administration (PMA) and support, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness. DMSMS efforts 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, as well as implement requirements and standards defined under the Simulator Common Architecture Requirements and Standards (SCARS) initiative.

Milestone/Development Status

EMD Contract awarded 9 Sep 2017
Milestone C Decision is scheduled for March 2023.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	15.841	28.704	19.737	-	19.737	19.154	7.755	7.590	7.862
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	3.654	3.632	-	3.632	1.471	0.759	0.112	-
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force	Date: March 2023
---	-------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6889 / Bomber Tactical Data link
---	---	---

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	15.841	32.358	23.369	0.000	23.369	20.625	8.514	7.702	7.862

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: B05200 / B-52						Modification Number / Title: 6889 / Bomber Tactical Data link		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: B-52H				Modification Type: Capability Improvement				Related RDT&E PEs: 0101113F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
0101113F	2 / 44.801	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 44.801
Procurement												
Modification Item 1 of 1: Link-16												
A Kits												
Recurring												
Link-16:INSTALL KITS Group A (Active)	6 / 8.616	- / -	17 / 7.157	18 / 7.110	- / -	18 / 7.110	15 / 6.930	- / -	- / -	- / -	- / -	56 / 29.813
Link-16:INSTALL KITS Group A (Reserve)	4 / 5.744	- / -	7 / 2.947	6 / 2.370	- / -	6 / 2.370	1 / 0.462	- / -	- / -	- / -	- / -	18 / 11.523
Subtotal: Recurring	- / 14.360	- / -	- / 10.104	- / 9.480	- / -	- / 9.480	- / 7.392	- / -	- / -	- / -	- / -	- / 41.336
B Kits												
Recurring												
Link-16:EQUIPMENT Group B (Active)	6 / 2.058	- / -	17 / 1.717	18 / 1.710	- / -	18 / 1.710	15 / 1.665	- / -	- / -	- / -	- / -	56 / 7.150
Link-16:EQUIPMENT Group B (Reserve)	4 / 1.372	- / -	7 / 0.707	6 / 0.570	- / -	6 / 0.570	1 / 0.111	- / -	- / -	- / -	- / -	18 / 2.760
Subtotal: Recurring	- / 3.430	- / -	- / 2.424	- / 2.280	- / -	- / 2.280	- / 1.776	- / -	- / -	- / -	- / -	- / 9.910
Subtotal: Link-16	- / 17.790	- / -	- / 12.528	- / 11.760	- / -	- / 11.760	- / 9.168	- / -	- / -	- / -	- / -	- / 51.246
Subtotal: Procurement, All Modification Items	- / 17.790	- / -	- / 12.528	- / 11.760	- / -	- / 11.760	- / 9.168	- / -	- / -	- / -	- / -	- / 51.246
Support (All Modification Items)												
GROUP A: TOTAL NONRECURRING	- / 2.700	- / -	- / 1.913	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.613
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / 3.277	- / 1.314	- / -	- / 1.314	- / 4.669	- / 1.696	- / 1.802	- / 7.038	- / -	- / 19.796
ICS-Labor	- / 0.044	- / -	- / 0.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.085
GFP	- / 5.115	- / -	- / 5.868	- / 7.644	- / -	- / 7.644	- / 1.835	- / 1.879	- / 1.924	- / 0.695	- / -	- / 24.960
SUPPORT-EQUIP	- / 0.462	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.462
SIM/TRAINER	- / -	- / -	- / 0.347	- / -	- / -	- / -	- / -	- / 1.214	- / 1.086	- / -	- / -	- / 2.647
OTHER GOVT	- / 0.200	- / 15.841	- / 3.034	- / 0.499	- / -	- / 0.499	- / 2.321	- / 0.446	- / 0.050	- / 0.129	- / -	- / 22.520
PMA - Contractor Services	- / -	- / -	- / 2.691	- / 0.422	- / -	- / 0.422	- / 0.392	- / 0.243	- / 0.248	- / -	- / -	- / 3.996
Change Orders	- / -	- / -	- / 2.659	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.659
Subtotal: Support	- / 8.521	- / 15.841	- / 19.830	- / 9.879	- / -	- / 9.879	- / 9.217	- / 5.478	- / 5.110	- / 7.862	- / -	- / 81.738
Installation												
Modification Item 1 of 1: Link-16	- / -	- / -	- / -	10 / 1.730	- / -	10 / 1.730	18 / 2.240	24 / 3.036	22 / 2.592	- / -	- / -	74 / 9.598
Subtotal: Installation	- / -	- / -	- / -	10 / 1.730	- / -	10 / 1.730	18 / 2.240	24 / 3.036	22 / 2.592	- / -	- / -	74 / 9.598
Total												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: B05200 / B-52						Modification Number / Title: 6889 / Bomber Tactical Data link		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: B-52H				Modification Type: Capability Improvement				Related RDT&E PEs: 0101113F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Total Cost (Procurement + Support + Installation)	26.311	15.841	32.358	23.369	0.000	23.369	20.625	8.514	7.702	7.862	-	142.582

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6889 / Bomber Tactical Data link
---	---	---

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

Modification Item 1 of 1: Link-16

Manufacturer Information

Manufacturer Name: Boeing	Manufacturer Location: Oklahoma City, OK
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 18

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Sep 2023	Jun 2024	Jun 2025			
Delivery Dates		Mar 2025	Dec 2025	Dec 2026			

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.334	4 / 0.447	- / -	- / -	- / -	16 / 1.781
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.341	6 / 0.671	- / -	- / -	18 / 2.012
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 1.453	- / -	- / -	13 / 1.453
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.334	16 / 1.788	19 / 2.124	- / -	- / -	47 / 5.246

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	6	6	7	-	-	-	-	-	0	47
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	6	6	7	-	-	-	-	-	0	47

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	10 / 1.730	- / -	10 / 1.730	- / -	- / -	- / -	- / -	- / -	10 / 1.730

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1		P-1 Line Item Number / Title: B05200 / B-52
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

Modification Item 1 of 1: Link-16

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.906	2 / 0.312	- / -	- / -	- / -	8 / 1.218
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.936	- / -	- / -	- / -	6 / 0.936
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.468	- / -	- / -	3 / 0.468
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	10 / 1.730	- / -	10 / 1.730	6 / 0.906	8 / 1.248	3 / 0.468	- / -	- / -	27 / 4.352

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	2	2	3	3	-	2	2	2	2	2	2	2	2	1	-	-	-	-	-	-	0	27
Out	0	-	-	-	-	-	-	-	-	2	2	3	3	-	2	2	2	2	2	2	2	2	1	-	-	-	-	-	-	0	27

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6890 / B-52 Radar Modernization

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	155.668	203.059	271.950	215.169	0.000	845.846
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	155.668	203.059	271.950	215.169	0.000	845.846
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	155.668	203.059	271.950	215.169	0.000	845.846

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

Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	-	0.000	0.219	0.222	0.227	0.232	-	0.900
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The B-52H Radar Modernization Program (RMP) supports nuclear and conventional operations by replacing the current APQ-166 radar on the B-52H aircraft. The APQ-166 system will be increasingly difficult to sustain due to diminished manufacturing sources (DMS) and obsolescent technologies; the current failure rate places long-duration missions at risk. This modernization program will encompass the radar antenna array, 12 individual LRUs, radar control panel, radome, and Group A allocation that comprise the entire radar system. RMP will take advantage of advances in technology and on-going development efforts to acquire, to the maximum extent possible, previously developed Radar systems and integrate them into the B-52. The use of new technology will increase both the overall reliability of the radar system and the capabilities for new missions. RMP will allow the operational command (AF Global Strike Command) to fully utilize the capabilities of the B-52H aircraft to employ an array of weapons and to perform mission-essential navigation and weather avoidance functions. In addition, all the applicable training devices for the new radar subsystem must also be developed, modified and/or upgraded in conjunction with the aircraft modifications. This upgrade will affect the Mission Employment Training System (METs), both B-52H Offensive Station Maintenance Trainers (OSMTs), and the Bombing-Navigation System Maintenance Trainers (BNSMTs).

This modification includes procurement of 74 aircraft kits, 3 training systems kits, and 2 EMD aircraft kits.

Funds may be used to address requirements including, but not limited to, emerging and short-notice DMSMS for both aircraft and associated training systems, test, and safety of flight issues. Additionally, funds may accommodate PMA and support, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

Milestone/Development Status

Material Development Decision (MDD) March 2017; Acquisition Strategy (AS) Approved March 2018; Development RFP Release Decision (DRFPRD) September 2019. The team completed System PDR in October 2020, Milestone B in June 2021, awarded the EMD contract in June 2021, and conducted System CDR in February 2022. Development Testing is forecasted Sep 2024. Operational Testing is forecasted Nov 2026.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	-	-	-	155.668	203.059	271.950	215.169
Total:	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force	Date: March 2023
---	-------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6890 / B-52 Radar Modernization
---	---	--

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	0.000	0.000	0.000	0.000	0.000	155.668	203.059	271.950	215.169

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1					P-1 Line Item Number / Title: B05200 / B-52					Modification Number / Title: 6890 / B-52 Radar Modernization			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: B-52H				Modification Type: Capability Improvement				Related RDT&E PEs: 0101113F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0101113F	- / 353.026	- / 136.862	- / 240.176	- / 197.887	- / -	- / 197.887	- / 127.933	- / 37.611	- / -	- / -	- / -	- / 1,093.495	
Procurement													
<i>Modification Item 1 of 1: Equipment Group B Kits (Active)</i>													
A Kits													
Recurring													
Equipment Group B Kits (Active):INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	11 / 129.236	17 / 164.398	20 / 208.488	17 / 149.243	- / -	65 / 651.365	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 129.236	- / 164.398	- / 208.488	- / 149.243	- / -	- / 651.365	
<i>Subtotal: Equipment Group B Kits (Active)</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 129.236	- / 164.398	- / 208.488	- / 149.243	- / -	- / 651.365	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 129.236	- / 164.398	- / 208.488	- / 149.243	- / -	- / 651.365	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.902	- / 15.570	- / 17.337	- / 16.301	- / -	- / 59.110	
Change Orders	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.647	- / 10.641	- / 12.919	- / 11.304	- / -	- / 41.511	
SIM/TRAINER	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.962	- / 4.210	- / 4.127	- / 3.795	- / -	- / 17.094	
OTHER GOVT	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.811	- / 5.562	- / 8.019	- / 7.100	- / -	- / 23.492	
PMA - Contractor Services	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.110	- / 2.678	- / 4.429	- / 4.119	- / -	- / 13.336	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.432	- / 38.661	- / 46.831	- / 42.619	- / -	- / 154.543	
Installation													
<i>Modification Item 1 of 1: Equipment Group B Kits (Active)</i>													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 16.631	17 / 23.307	37 / 0.000	65 / 39.938	
Total													
Total Cost (Procurement + Support + Installation)	0.000	0.000	0.000	0.000	0.000	0.000	155.668	203.059	271.950	215.169	0.000	845.846	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6890 / B-52 Radar Modernization
---	---	--

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

Modification Item 1 of 1: Equipment Group B Kits (Active)

Manufacturer Information

Manufacturer Name: TBD Manufacturer Location: TBD

Administrative Leadtime (in Months): 0 Production Leadtime (in Months): 24

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates				Jan 2025	Jan 2026	Jan 2027	Jan 2028
Delivery Dates				Jan 2027	Jan 2028	Jan 2029	Jan 2030

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 16.631	- / -	- / -	11 / 16.631
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 23.307	- / -	17 / 23.307
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.000	20 / 0.000
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.000	17 / 0.000
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 16.631	17 / 23.307	37 / 0.000	65 / 39.938

Installation Schedule

PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3	4	4	4	4	4	5	37	65
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3	4	4	4	4	4	5	37	65

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6894 / B-52 Crypto Modernization

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	3.452	33.034	14.081	0.000	14.081	22.992	4.160	4.934	5.037	-	87.690
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	3.452	33.034	14.081	0.000	14.081	22.992	4.160	4.934	5.037	-	87.690
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	3.452	33.034	14.081	0.000	14.081	22.992	4.160	4.934	5.037	-	87.690

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

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

Description:

B-52 Crypto Modernization upgrades aircraft with Mobile User Objective System (MUOS) capable ARC-210 radio systems that prevent loss of beyond line of sight (BLOS) voice and data communications capability. The program will integrate upgrade the B-52 aircraft with secure voice and data communications via SATURN (Second Generation Anti-Jam Technical UHF Radio for NATO) network, MUOS (Mobile User Objective System) Satellite constellation, and DAMA-IW (Demand Assigned Multiple Access - Integrated Waveform) SATCOM connection. These updates are required by the National Security Agency (NSA) and DoD. An NSA mandate directs replacement of the current ARC-210 radios. To meet the NSA mandate, the B-52 Crypto program will upgrade the radios and associated controls for 76 B-52 aircraft.

Funds may be used to address requirements including, but not limited to, emerging and short notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for both aircraft and associated training systems, test, and safety of flight issues. Additionally, funds may accommodate Program Management Administration (PMA) and support, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

Funds may be used to address requirements including, but not limited to, emerging and short notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for both aircraft and associated training systems, test, and safety of flight issues. Additionally, funds may accommodate Program Management Administration (PMA) and support, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

FY24 B05200, Aircraft Procurement, Modification, PE 0101113F is submitting a Technical Adjustment to realign \$14.017 million to Research Development, Test and Evaluation (RDT&E), BA07, PE 0101113F for B-52 Squadrons 675160 Crypto Modernization

Milestone/Development Status

Acquisition Strategy approved Mar 2018
 Preliminary Design Review completed Oct 2019
 Critical Design Review completed Aug 2020
 Developmental/Operational Testing Sept 2023
 MS C is planned for Oct 2024

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1			P-1 Line Item Number / Title: B05200 / B-52				Modification Number / Title: 6894 / B-52 Crypto Modernization			
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:					
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.452	33.034	14.081	-	14.081	20.059	4.160	4.097	5.037
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	2.933	-	0.837	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	3.452	33.034	14.081	0.000	14.081	22.992	4.160	4.934	5.037

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1					P-1 Line Item Number / Title: B05200 / B-52					Modification Number / Title: 6894 / B-52 Crypto Modernization			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: B-52H				Modification Type: Capability Improvement				Related RDT&E PEs: 0101113F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0101113F	- / -	- / 17.453	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.453	
Procurement													
Modification Item 1 of 1: Crypto													
A Kits													
Recurring													
Crypto:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	16 / 6.363	- / -	- / -	- / -	- / -	16 / 6.363	
Crypto:INSTALL KITS Group A (Reserve)	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.588	- / -	- / -	- / -	- / -	4 / 1.588	
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.951	- / -	- / -	- / -	- / -	- / 7.951	
B Kits													
Recurring													
Crypto:EQUIPMENT Group B (Active)	- / -	- / -	- / -	- / -	- / -	- / -	16 / 5.384	- / -	- / -	- / -	- / -	16 / 5.384	
Crypto:EQUIPMENT Group B (Reserve)	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.345	- / -	- / -	- / -	- / -	4 / 1.345	
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.729	- / -	- / -	- / -	- / -	- / 6.729	
Subtotal: Crypto	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.680	- / -	- / -	- / -	- / -	- / 14.680	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.680	- / -	- / -	- / -	- / -	- / 14.680	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.930	- / -	- / 0.074	- / 0.911	- / -	- / 4.915	
GFP	- / -	- / -	76 / 7.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 7.500	
Change Orders	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.690	- / -	- / -	- / -	- / -	- / 1.690	
A&AS	- / -	- / -	- / 3.000	- / -	- / -	- / -	- / 1.210	- / 2.000	- / 0.781	- / 2.000	- / -	- / 8.991	
Data	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.328	- / -	- / -	- / 1.450	- / -	- / 2.778	
OTHER GOVT	- / -	- / 3.452	- / 22.534	- / 14.081	- / -	- / 14.081	- / 0.154	- / 2.160	- / 0.054	- / 0.676	- / -	- / 43.111	
Subtotal: Support	- / -	- / 3.452	76 / 33.034	- / 14.081	- / -	- / 14.081	- / 8.312	- / 4.160	- / 0.909	- / 5.037	- / -	76 / 68.985	
Installation													
Modification Item 1 of 1: Crypto													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 4.025	- / -	- / -	20 / 4.025	
Total													
Total Cost (Procurement + Support + Installation)	-	3.452	33.034	14.081	0.000	14.081	22.992	4.160	4.934	5.037	-	87.690	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6894 / B-52 Crypto Modernization
---	---	---

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

Modification Item 1 of 1: Crypto

Manufacturer Information

Manufacturer Name: Boeing Manufacturer Location: Oklahoma City

Administrative Leadtime (in Months): 0 Production Leadtime (in Months): 24

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates				Oct 2024			
Delivery Dates				Oct 2026			

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.467	- / -	- / -	3 / 0.467
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.467	- / -	- / -	3 / 0.467

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	0	3
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	0	3

Method of Implementation: Depot Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6894 / B-52 Crypto Modernization
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

Modification Item 1 of 1: Crypto

Installation Information

Method of Implementation: Depot Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 3.558	- / -	- / -	17 / 3.558
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 3.558	- / -	- / -	17 / 3.558

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	5	-	-	-	-	0	17
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	5	-	-	-	0	17

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6896 / B-52 VLF/LF Modernization

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	20.137	11.489	26.513	0.000	26.513	13.052	6.437	3.331	0.370	-	81.329
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.000	20.137	11.489	26.513	0.000	26.513	13.052	6.437	3.331	0.370	-	81.329
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	20.137	11.489	26.513	0.000	26.513	13.052	6.437	3.331	0.370	-	81.329

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

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

Description:

The Very Low Frequency/Low Frequency (VLF/LF) Modernization program provides the B-52 with receive-only, very low frequency, secure, survivable strategic communications via a nuclear hardened terminal, antenna, and human-machine interface. This supports the B-52 requirement for media diversity and the B-52 strategic mission and ensures nuclear command and control of the B-52 fleet. The current VLF receiver is experiencing supportability concerns and drives the need for a more sustainable VLF capability.

VLF/LF program will deliver VLF capability needed for B-52 strategic nuclear command and control. This program provides the framework and flexibility to enable future increments for the remainder of the strategic airborne fleet as well as a bridge to future VLF upgrades to the B-52. The program's acquisition strategy is based on modifying and qualifying an existing terminal. This approach supports timely integration and installation onto the B-52 platform while leveraging existing technology and mature systems to reduce cost and development schedule.

Funds may be used to address requirements including, but not limited to, emerging and short-notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for both aircraft and associated training systems, test, and safety of flight issues. Additionally, funds may accommodate Program Management Administration (PMA) and support, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

Milestone/Development Status

Acquisition Strategy Approved in Jan 2019
 Preliminary Design Review completed in 2QFY21 with Critical Design Review completed in 3QFY21
 Milestone C scheduled Sep-23.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	15.624	11.489	22.000	-	22.000	12.606	5.925	3.331	0.370
AFR									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	4.513	-	4.513	-	4.513	0.446	0.512	-	-
Total:									
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force	Date: March 2023
---	-------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6896 / B-52 VLF/LF Modernization
---	---	---

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	20.137	11.489	26.513	0.000	26.513	13.052	6.437	3.331	0.370

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1					P-1 Line Item Number / Title: B05200 / B-52					Modification Number / Title: 6896 / B-52 VLF/LF Modernization			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: B-52H				Modification Type: Capability Improvement				Related RDT&E PEs: 0101113F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0101113F	2 / 47.295	- / 9.187	- / 9.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 65.482	
Procurement													
<i>Modification Item 1 of 1: VLF/LF</i>													
A Kits													
Recurring													
VLF/LF:INSTALL KITS Group A (Active)	- / -	13 / 6.360	- / -	18 / 8.810	- / -	18 / 8.810	- / -	3 / 1.469	- / -	- / -	- / -	34 / 16.639	
VLF/LF:INSTALL KITS Group A (Reserve)	- / -	5 / 2.446	- / -	5 / 2.446	- / -	5 / 2.446	- / -	- / -	- / -	- / -	- / -	10 / 4.892	
<i>Subtotal: Recurring</i>	- / -	- / 8.806	- / -	- / 11.256	- / -	- / 11.256	- / -	- / 1.469	- / -	- / -	- / -	- / 21.531	
B Kits													
Recurring													
VLF/LF:EQUIPMENT Group B (Active)	- / -	13 / 5.373	- / -	18 / 7.442	- / -	18 / 7.442	- / -	3 / 1.245	- / -	- / -	- / -	34 / 14.060	
VLF/LF:EQUIPMENT Group B (Reserve)	- / -	5 / 2.067	- / -	5 / 2.067	- / -	5 / 2.067	- / -	- / -	- / -	- / -	- / -	10 / 4.134	
<i>Subtotal: Recurring</i>	- / -	- / 7.440	- / -	- / 9.509	- / -	- / 9.509	- / -	- / 1.245	- / -	- / -	- / -	- / 18.194	
<i>Subtotal: VLF/LF</i>	- / -	- / 16.246	- / -	- / 20.765	- / -	- / 20.765	- / -	- / 2.714	- / -	- / -	- / -	- / 39.725	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 16.246	- / -	- / 20.765	- / -	- / 20.765	- / -	- / 2.714	- / -	- / -	- / -	- / 39.725	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / 1.428	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.428	
GROUP B: TOTAL NONRECURRING	- / -	- / 1.716	- / 4.500	- / 1.860	- / -	- / 1.860	- / -	- / -	- / -	- / -	- / -	- / 8.076	
ICS-Labor	- / -	- / -	- / -	- / 12.343	- / -	- / 12.343	- / 10.211	- / 10.511	- / 1.985	- / 0.370	- / -	- / 15.420	
PMA - Other Gov't Costs	- / -	- / 12.175	- / 15.561	- / 11.545	- / -	- / 11.545	- / 11.231	- / 10.857	- / 1.031	- / -	- / -	- / 22.400	
<i>Subtotal: Support</i>	- / -	- / 3.891	- / 11.489	- / 15.748	- / -	- / 15.748	- / 11.442	- / 1.368	- / 3.016	- / 0.370	- / -	- / 37.324	
Installation													
<i>Modification Item 1 of 1: VLF/LF</i>	- / -	- / -	- / -	- / -	- / -	- / -	18 / 1.610	23 / 2.355	3 / 0.315	- / -	- / -	44 / 4.280	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	18 / 1.610	23 / 2.355	3 / 0.315	- / -	- / -	44 / 4.280	
Total													
Total Cost (Procurement + Support + Installation)	0.000	20.137	11.489	26.513	0.000	26.513	13.052	6.437	3.331	0.370	-	81.329	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: B05200 / B-52	Modification Number / Title: 6896 / B-52 VLF/LF Modernization
---	---	---

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

Modification Item 1 of 1: VLF/LF

Manufacturer Information

Manufacturer Name: Boeing and Collins Aerospace	Manufacturer Location: Oklahoma City, OK and Richardson, TX
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 20

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Feb 2023		Dec 2023		Dec 2025		
Delivery Dates	Oct 2024		Aug 2025		Aug 2027		

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.179	- / -	- / -	- / -	- / -	2 / 0.179
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.614	- / -	- / -	- / -	6 / 0.614
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.179	6 / 0.614	- / -	- / -	- / -	8 / 0.793

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	-	0	0	0	0	0	0	0	0	0	-	0	-	0	2	0	2	2	2	-	0	0	0	0	0	0	0	0	0	0	8
Out	0	-	0	0	0	0	0	0	0	0	0	0	0	0	-	0	2	0	2	2	2	-	-	0	0	0	0	0	-	0	0	8

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1		P-1 Line Item Number / Title: B05200 / B-52
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

Modification Item 1 of 1: VLF/LF

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.431	- / -	- / -	- / -	- / -	16 / 1.431
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 1.741	- / -	- / -	- / -	17 / 1.741
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.315	- / -	- / -	3 / 0.315
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.431	17 / 1.741	3 / 0.315	- / -	- / -	36 / 3.487

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	5	3	-	-	-	-	-	-	-	0	36
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	5	3	-	-	-	-	-	-	0	36

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	566.404	57.001	37.286	21.723	-	21.723	31.601	20.699	21.170	21.610	0.000	777.494
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	566.404	57.001	37.286	21.723	-	21.723	31.601	20.699	21.170	21.610	0.000	777.494
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	566.404	57.001	37.286	21.723	-	21.723	31.601	20.699	21.170	21.610	0.000	777.494

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

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

Description:

The Large Aircraft Infrared Countermeasures (LAIRCM) system provides a significantly improved defensive capability for the Department of Defense to counter the proliferating man-portable air defense systems (MANPADS) missile threats by detecting, tracking, and countering incoming missiles. This system is fully autonomous following power-up and consists of Group A aircraft modification kits and Group B hardware. Group B hardware for the LAIRCM system currently consists of missile warning sensors; laser transmitter assemblies; a control indicator unit; a system processor, and repeaters, as needed by the platform. The system is currently installed on 54+ aircraft types and over 1200 aircraft.

The production program maintains a robust reliability program which results in the incorporation of reliability enhancements improving overall producibility, while gaining the inherent benefit of improved long-term sustainment. There are numerous LAIRCM configurations installed on a variety of aircraft, however, all configurations include a processor and a control indicator unit. Configurations can be differentiated by the type of missile warning sensors and laser transmitter assemblies.

Funding supports efforts that include, but are not limited to Hardware Procurement (Group A and Group B), Installation, Installation Support, Initial Spares, Support Equipment, Government Furnished Equipment (GFE) and GFE Repairs, Line Replaceable Unit (LRU) Repairs, Interim Contractor Support (ICS), Depot Standup, Systems Engineering and Program Management (SEPM), Failure Reporting and Corrective Analysis Support (FRACAS), Non-recurring Production Engineering, Other Government Costs (OGCs), Pre-Planned Product Improvements, Program Support, Simulators, and Data.

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

Like most programs, LAIRCM faces the challenges associated with resolving Diminishing Manufacturing Sources (DMS) issues and software errors / inefficiencies. The LAIRCM program office seeks to ensure continued production of LAIRCM components for all LAIRCM customers. Funding may be used to address (DMS) issues and software corrections or minor improvements. The LAIRCM DMS program includes all activities associated with monitoring and identifying DMS issues. It also includes all activities required to resolve DMS issues such as: 1) the use of existing material solutions which involves actions to secure availability of existing supply (i.e., life of type buy and extension of production or support); 2) implementing substitutes which includes engineering activities to qualify and implement the identified substitute (i.e., approved part; repair, refurbishment, or reclamation; simple substitute; and complex substitute); and 3) redesign which includes all aspects of engineering and qualification to implement new or highly modified equipment (i.e., development of a new item or source; redesign of a next higher assembly; and redesign of a complex/system replacement).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

Line Item MDAP/MAIS Code: N/A

LAIRCM program office (PO) has multiple DMS efforts that started in FY 2022 and FY 2023 that are critical to the long term supportability of the LAIRCM program. LAIRCM PO did not have the capability to receive funding direct prior to FY 2023 so all DMS funding was shared between C17 and C130J. In FY 2022, \$57M is programmed to support DMS efforts. All FY 2022 funding is budgeted in the C130J Mod but will be executed by the LAIRCM PO. Beginning in FY 2023 and forward, the LAIRCM PO costs are captured in its own Mod Number 8629LC.

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

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

Funding for this exhibit contained in PE 0401134F.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	57.001	28.384	20.923	-	20.923	31.055	20.699	21.170	21.610
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.000	-	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.000	8.902	0.800	-	0.800	0.546	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	57.001	37.286	21.723	-	21.723	31.601	20.699	21.170	21.610

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date: March 2023**

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

P-1 Line Item Number / Title:
LAIRCM / Large Aircraft Infrared Countermeasures

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	8629C130 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130 (Capability Improvement)				- / 15.685	- / -	- / -	- / 0.100	- / -	- / 0.100
P-40a***	8629C17 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 (Capability Improvement)				- / 259.501	- / 0.000	- / 2.600	- / 1.381	- / -	- / 1.381
P-40a***	8629C5 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5 (Capability Improvement)				- / 53.073	- / -	- / -	- / 0.100	- / -	- / 0.100
P-40a***	8629CFIN / LAIRCM CFIN (Capability Improvement)				- / 7.500	- / -	- / -	- / 0.100	- / -	- / 0.100
P-40a***	8629HC/MC/AC-130 / LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/MC/AC-130 (Capability Improvement)				- / -	- / -	- / -	- / 0.404	- / -	- / 0.404
P-40a***	8629KC-135 / LARGE AIRCRAFT INFRARED COUNTERMEASURES KC-135 (Capability Improvement)				- / -	- / -	- / -	- / 0.100	- / -	- / 0.100
P-40a***	8629LC / Large Aircraft Infrared Countermeasures (Capability Improvement)				- / -	- / -	- / 10.997	- / 3.291	- / -	- / 3.291
P-3a	1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J (Capability Improvement)		B		- / 230.645	- / 57.001	- / 11.689	- / 5.476	- / 0.000	- / 5.476
P-3a	2 / LARGE AIRCRAFT INFRARED COUNTERMEASURES SA EA (Capability Improvement)		B		- / -	- / -	- / 12.000	- / 10.771	- / 0.000	- / 10.771
P-40	Total Gross/Weapon System Cost				- / 566.404	- / 57.001	- / 37.286	- / 21.723	- / -	- / 21.723

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	8629C130 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130 (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 15.785
P-40a***	8629C17 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 (Capability Improvement)				- / 3.000	- / 16.996	- / 17.356	- / 17.682	- / -	- / 318.516
P-40a***	8629C5 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5 (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 53.173
P-40a***	8629CFIN / LAIRCM CFIN (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 7.600
P-40a***	8629HC/MC/AC-130 / LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/MC/AC-130 (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 0.404
P-40a***	8629KC-135 / LARGE AIRCRAFT INFRARED COUNTERMEASURES KC-135 (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 0.100
P-40a***	8629LC / Large Aircraft Infrared Countermeasures (Capability Improvement)				- / 3.595	- / 3.703	- / 3.814	- / 3.928	- / -	- / 29.328
P-3a	1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J (Capability Improvement)		B		- / 19.530	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 324.341
P-3a	2 / LARGE AIRCRAFT INFRARED COUNTERMEASURES SA EA (Capability Improvement)		B		- / 5.476	- / 0.000	- / 0.000	- / 0.000	- / -	- / 28.247

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

P-1 Line Item Number / Title:
LAIRCM / Large Aircraft Infrared Countermeasures

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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-40	Total Gross/Weapon System Cost				- / 31.601	- / 20.699	- / 21.170	- / 21.610	- / 0.000	- / 77.470

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

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

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

Justification:
 This program, P-3A Mod 8629C130, LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130, is a new start.
 This program, P-3A Mod 8629C5, LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5, is a new start.
 This program, P-3A Mod 8629CFIN, LAIRCM CFIN, is a new start.
 This program, P-3A Mod 8629HC/MC/AC-130, LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/MC/AC-130, is a new start.
 This program, P-3A Mod 8629KC-135, LARGE AIRCRAFT INFRARED COUNTERMEASURES KC-135, is a new start.

FY24 LAIRCM funding will procure four C-130J A Kits, seven C-40 A Kits & three C-40 B Kits, fund DMS for all platforms and initiate LARICM programs for C-5, CFIN, C-130H, HC/MC/AC-130J, and KC-135.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures	Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	230.645	57.001	11.689	5.476	0.000	5.476	19.530	0.000	0.000	0.000	0.000	324.341
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	230.645	57.001	11.689	5.476	0.000	5.476	19.530	0.000	0.000	0.000	0.000	324.341
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	230.645	57.001	11.689	5.476	0.000	5.476	19.530	0.000	0.000	0.000	0.000	324.341

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

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

Description:

The Large Aircraft Infrared Countermeasures (LAIRCM) system significantly improves defensive capability for the C-130J to counter the Infrared (IR) man-portable air-defense systems (MANPADS) missile threat.

The LAIRCM systems incorporates the use of IR missile warning sensors (MWS), Guardian Laser turret assemblies, a control indicator unit replacement (CIUR), and a system processor replacement to detect, track, and counter incoming IR missiles. As Line Replaceable Units (LRUs) are improved or impacted by DMS, the LAIRCM system will be updated with the latest configuration. C-130J LAIRCM Block 30 NRE and Trial Kit installations are complete and are now post Milestone C. The future Block 35 will require the purchase of the new Guardian Laser Turret Assemblies (GLTA) once development and fielding is complete.

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

This funding includes Rapid Global Mobility (RGM) platform related activities including but not limited to fielding actions such as kit buys, installation and support equipment.

This program includes efforts needed to procure, install, and store retrofit kits, deploy the system, and support LAIRCM. These efforts include, but are not limited to hardware procurement, installation, installation support, initial spares, support equipment, Government Furnished Equipment (GFE) and GFE repairs, Interim Contractor Support (ICS), mod-line repairs, Systems Engineering and Program Management (SEPM), Failure Reporting and Corrective Analysis Support (FRACAS), Technical Orders, Other Government Costs (OGCs), and program support costs. Costs for the identification, review, monitoring, and mitigation of items impacted by diminishing manufacturing sources (DMS) are included. Additionally, "change orders" include non-recurring engineering (NRE)/replacement costs for equipment updates to increase reliability, availability, and maintainability of LAIRCM Group B components as identified during the fiscal year. Block 30 installs will commence in FY 2025. The LAIRCM DMS program includes all activities associated with monitoring and identifying issues and addressing needed software corrections.

In prior years, the LAIRCM program received negative Congressional adjustments for poor execution. These adjustments and DMS prioritization caused a disconnect in the timeline for procurement/installation of A-Kits for previously purchased B-Kits. The C-130J Program Office will produce the needed 19 A-Kits and install them from FY23-FY27.

In FY 2022, \$57M was programmed to support DMS efforts. In FY22, all program funds that are shown for C-130J Mod # were executed by the LAIRCM PO. Beginning in FY 2023 and beyond, LAIRCM PO costs will be captured in its own Mod #8629LC

Milestone/Development Status

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures	Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J

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

Development is complete.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	57.001	11.689	5.476	-	5.476	19.530	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	57.001	11.689	5.476	0.000	5.476	19.530	0.000	0.000	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1					P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures					Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: C130J				Modification Type: Capability Improvement				Related RDT&E PEs: 0401134F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 2: Basic Js (Block 20)													
A Kits													
Recurring													
Basic Js (Block 20):INSTALL KITS Group A (Active)	33 / 42.386	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 42.386	
Basic Js (Block 20):INSTALL KITS Group A (Guard)	8 / 3.964	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 3.964	
Basic Js (Block 20):INSTALL KITS Group A (Reserve)	8 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.000	
Subtotal: Recurring	- / 46.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 46.350	
B Kits													
Recurring													
Basic Js (Block 20):EQUIPMENT Group B (Active)	33 / 17.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 17.275	
Basic Js (Block 20):EQUIPMENT Group B (Guard)	3 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.000	
Basic Js (Block 20):EQUIPMENT Group B (Reserve)	8 / 7.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 7.900	
Subtotal: Recurring	- / 25.175	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 25.175	
Subtotal: Basic Js (Block 20)	- / 71.525	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 71.525	
Modification Item 2 of 2: Basic Js (Block 30)													
A Kits													
Recurring													
Basic Js (Block 30):INSTALL KITS Group A (Active)	2 / 3.916	- / -	13 / 10.403	4 / 3.843	- / -	4 / 3.843	2 / 2.418	- / -	- / -	- / -	- / -	21 / 20.580	
Subtotal: Recurring	- / 3.916	- / -	- / 10.403	- / 3.843	- / -	- / 3.843	- / 2.418	- / -	- / -	- / -	- / -	- / 20.580	
B Kits													
Recurring													
Basic Js (Block 30):EQUIPMENT Group B (Active)	21 / 45.583	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 45.583	
Subtotal: Recurring	- / 45.583	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 45.583	
Subtotal: Basic Js (Block 30)	- / 49.499	- / -	- / 10.403	- / 3.843	- / -	- / 3.843	- / 2.418	- / -	- / -	- / -	- / -	- / 66.163	
Subtotal: Procurement, All Modification Items	- / 121.024	- / -	- / 10.403	- / 3.843	- / -	- / 3.843	- / 2.418	- / -	- / -	- / -	- / -	- / 137.688	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / 5.672	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.672	
GROUP B: TOTAL NONRECURRING	- / 25.587	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 25.587	
Data	- / 0.953	- / -	- / -	- / -	- / -	- / -	- / 0.062	- / -	- / -	- / -	- / -	- / 1.015	
SIM/TRAINER	- / 5.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.000	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures	Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J

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

Models of Systems Affected: C130J	Modification Type: Capability Improvement	Related RDT&E PEs: 0401134F
--	--	--

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
SUPPORT-EQUIP	- / 2.539	- / -	- / 0.325	- / 0.192	- / -	- / 0.192	- / 0.432	- / -	- / -	- / -	- / -	- / 3.488
Change Orders	- / 2.283	- / -	- / -	- / -	- / -	- / -	- / 0.220	- / -	- / -	- / -	- / -	- / 2.503
ICS-Labor	- / 3.677	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.677
PMA - Contractor Services	- / 8.011	- / -	- / 0.152	- / -	- / -	- / -	- / 0.259	- / -	- / -	- / -	- / -	- / 8.422
OTHER GOVT	- / 41.940	- / 54.501	- / 0.333	- / 0.706	- / -	- / 0.706	- / -	- / -	- / -	- / -	- / -	- / 97.480
PSC - Other Gov't Costs	- / 17.182	- / 2.500	- / 0.476	- / 0.735	- / -	- / 0.735	- / 1.565	- / -	- / -	- / -	- / -	- / 12.458
<i>Subtotal: Support</i>	<i>- / 102.844</i>	<i>- / 57.001</i>	<i>- / 1.286</i>	<i>- / 1.633</i>	<i>- / -</i>	<i>- / 1.633</i>	<i>- / 2.538</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 165.302</i>
Installation												
<i>Modification Item 1 of 2: Basic Js (Block 20)</i>	49 / 6.059	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	49 / 6.059
<i>Modification Item 2 of 2: Basic Js (Block 30)</i>	2 / 0.718	- / -	- / -	- / -	- / -	- / -	19 / 14.574	- / -	- / -	- / -	- / -	21 / 15.292
<i>Subtotal: Installation</i>	<i>51 / 6.777</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>19 / 14.574</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>70 / 21.351</i>
Total												
Total Cost (Procurement + Support + Installation)	230.645	57.001	11.689	5.476	0.000	5.476	19.530	0.000	0.000	0.000	0.000	324.341

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures	Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J

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

Modification Item 1 of 2: Basic Js (Block 20)

Manufacturer Information

Manufacturer Name: NORTHROP GRUMMAN	Manufacturer Location: ROLLING MEADOWS
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 3

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	49 / 6.059	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	49 / 6.059
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	49 / 6.059	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	49 / 6.059

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	49
Out	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	49

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures	Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J

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

Modification Item 2 of 2: Basic Js (Block 30)

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: ROLLING MEADOWS
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 24

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	2 / 0.718	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.718
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	13 / 9.972	- / -	- / -	- / -	- / -	13 / 9.972
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.068	- / -	- / -	- / -	- / -	4 / 3.068
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.534	- / -	- / -	- / -	- / -	2 / 1.534
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 0.718	- / -	- / -	- / -	- / -	- / -	19 / 14.574	- / -	- / -	- / -	- / -	21 / 15.292

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	1	-	-	-	-	0	21
Out	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	1	-	-	-	0	21

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures	Modification Number / Title: 2 / LARGE AIRCRAFT INFRARED COUNTERMEASURES SA EA

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	12.000	10.771	0.000	10.771	5.476	0.000	0.000	0.000	-	28.247
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	12.000	10.771	0.000	10.771	5.476	0.000	0.000	0.000	-	28.247
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	12.000	10.771	0.000	10.771	5.476	0.000	0.000	0.000	-	28.247

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

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

Description:

The LAIRCM system autonomously detects, declares, tracks, and jams infrared (IR) threat missiles. LAIRCM is required to accomplish the OSA-EA mission requirements. The LAIRCM Block 30 provides supportable aerial countermeasures for the OSA-EA fleet.

This modification installs LAIRCM Block 30 on Air Force OSA-EA aircraft to support mission requirements for airborne countermeasures. The C-40 is a commercial derivative of the Boeing 737-700 Business Jet. LAIRCM Block 30 replaces the LAIRCM Block 20 configuration which will not be supportable beyond 2027. All aircraft in the OSA-EA fleet are required to be equipped with LAIRCM to support overseas missions. PE: 41134F BPAC: 11LAIR Modification: 8629SA EA

The C-40 LAIRCM quantity of A Kits and B Kits in FY24 are different due to the FY23 buy of four (4) B kits and no A Kits. This was due to the long lead time of the B kits as compared to the A Kit. Between FY23 and FY24 the A & B Kit quantity are equal at seven (7).

Milestone/Development Status

Development is complete

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	3.098	9.971	-	9.971	4.930	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	8.902	0.800	-	0.800	0.546	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	12.000	10.771	0.000	10.771	5.476	0.000	0.000	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1				P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures						Modification Number / Title: 2 / LARGE AIRCRAFT INFRARED COUNTERMEASURES SA EA			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: C37, C40				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: LAIRCM</i>													
A Kits													
Recurring													
LAIRCM:INSTALL KITS Group A (Active)	- / -	- / -	- / -	3 / 0.600	- / -	3 / 0.600	- / -	- / -	- / -	- / -	- / -	3 / 0.600	
LAIRCM:INSTALL KITS Group A (Reserve)	- / -	- / -	- / -	4 / 0.800	- / -	4 / 0.800	- / -	- / -	- / -	- / -	- / -	4 / 0.800	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.400	- / -	- / 1.400	- / -	- / -	- / -	- / -	- / -	- / 1.400	
B Kits													
Recurring													
LAIRCM:EQUIPMENT Group B (Active)	- / -	- / -	- / -	3 / 6.996	- / -	3 / 6.996	- / -	- / -	- / -	- / -	- / -	3 / 6.996	
LAIRCM:EQUIPMENT Group B (Reserve)	- / -	- / -	4 / 8.902	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 8.902	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 8.902	- / 6.996	- / -	- / 6.996	- / -	- / -	- / -	- / -	- / -	- / 15.898	
<i>Subtotal: LAIRCM</i>	- / -	- / -	- / 8.902	- / 8.396	- / -	- / 8.396	- / -	- / -	- / -	- / -	- / -	- / 17.298	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 8.902	- / 8.396	- / -	- / 8.396	- / -	- / -	- / -	- / -	- / -	- / 17.298	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / -	- / 0.362	- / -	- / 0.362	- / 0.500	- / -	- / -	- / -	- / -	- / 0.862	
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / 1.447	- / -	- / 1.447	- / 2.000	- / -	- / -	- / -	- / -	- / 3.447	
Data	- / -	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 0.400	- / -	- / -	- / -	- / -	- / 0.600	
Mod of Spares	- / -	- / -	- / 2.225	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.225	
PMA - Other Gov't Costs	- / -	- / -	- / 0.873	- / 0.366	- / -	- / 0.366	- / 1.664	- / -	- / -	- / -	- / -	- / 2.903	
<i>Subtotal: Support</i>	- / -	- / -	- / 3.098	- / 2.375	- / -	- / 2.375	- / 4.564	- / -	- / -	- / -	- / -	- / 10.037	
Installation													
<i>Modification Item 1 of 1: LAIRCM</i>	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.912	- / -	- / -	- / -	- / -	7 / 0.912	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.912	- / -	- / -	- / -	- / -	7 / 0.912	
Total													
Total Cost (Procurement + Support + Installation)	-	-	12.000	10.771	0.000	10.771	5.476	0.000	0.000	0.000	-	28.247	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1	P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures	Modification Number / Title: 2 / LARGE AIRCRAFT INFRARED COUNTERMEASURES SA EA

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

Modification Item 1 of 1: LAIRCM

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Rolling Meadows, IL
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 24

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Apr 2023	Apr 2024				
Delivery Dates		Apr 2025	Apr 2026				

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.546	- / -	- / -	- / -	- / -	4 / 0.546
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.366	- / -	- / -	- / -	- / -	3 / 0.366
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.912	- / -	- / -	- / -	- / -	7 / 0.912

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	2	1	-	-	-	-	-	-	-	-	0	7
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	2	1	-	-	-	-	-	-	-	0	7

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	578.433	63.313	83.972	0.000	-	0.000	0.000	0.000	0.000	0.000	4.600	730.318
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	578.433	63.313	83.972	0.000	-	0.000	0.000	0.000	0.000	0.000	4.600	730.318
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	578.433	63.313	83.972	0.000	-	0.000	0.000	0.000	0.000	0.000	4.600	730.318

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

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

Description:

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

Wing Replacement Program (ATTACK) procures new wings to enable the A-10 Fleet to fly and fight. A new wing procurement effort will provide flexibility in fleet size options and provides resiliency in the existing fleet.

Helmet Mounted Cueing System (HMCS) Interim Contractor Support (ICS) is needed to repair critical components to keep units fully operational. The HMCS program is jointly managed by the A-10 and F-16 System Program Offices and provides extant A-10Cs and F-16C+ Block 30/32 aircraft with a Helmet Mounted Integrated Targeting (HMIT) System that will provide off-boresight cueing, targeting, and situational awareness capability.

ARC-210 replaces current ARC-210 Gen 4 radio(s) with Gen 6 to ensure crypto compliance, replaces current Radio Control Unit (RCU) with C-12561B (required update for Gen 6), maintains same functionality of the Gen 4, continues using 1553 Bus controller vice an Ethernet connection, and replaces ARC-164 with ARC-210 Gen 4 (Suite 11). Installs will be either Contract Field Team (CFT) or Depot Speed Line (DSL) which is organic. Procurement funds are for the hardware purchases for the fleet. Suite 11 is scheduled to field 2QFY23.

2ND Gigabit Ethernet Switch (2GES) supports future avionics modernizations and is the predecessor to 3 Dimensional Audio (3DA), High Resolution Display (HRDS), and ARC-210 programs.

A-10 High Resolution Display System (HRDS) will function as a Primary Flight Display and provide High Resolution video from Advanced Targeting Pods. The A-10 HRDS is a true next-gen digital interface that will replace legacy analog flight instruments and provide higher resolution video signals to improve the pilot's ability to find, fix, track, target and engage ground targets and threats while reducing pilot workload.

3-Dimensional Audio (3DA) improves the spatial, battle space, and situational awareness (SA) of A-10C pilots through the addition of a digital intercom system upgrade, active and electronic noise reduction, three-dimensional spatial separation for up to four audio channels, and three-dimensional auditory threat cueing from the aircraft missile warning system and radar warning receiver.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

Line Item MDAP/MAIS Code: N/A

Small Diameter Bomb-1 (SDB-1) requires support equipment (SE) in addition to the integration effort. SE will be used by each A-10C installation to equip and train our maintenance personnel on SDB-I. SE includes Bomb Rack Unit - 61 (BRU-61) Trainers, GBU-39 Trainers, Bomb Slings, Common Munitions Built-in-Test Equipment (CMBRE), CMBRE Adapters, BRU-61 Trainers, Light Weight Lift Bar and other SE determined by ACC.

On Board Oxygen Generation System (OBOGS) takes in air from the engine intake, filter, compresses oxygen, then delivers to pilot's tube/mask. OBOGS replaces the more expensive and dangerous Liquid Oxygen breathing system, extends flying times and reduces reduces logistical footprint.

Central Interface Control System (CICS) will upgrade and replace the current Central Interface Control Unit (CICU) with a modern, modular, redundant, fault tolerant and supportable mission computer. Current CICU is a top Mission Impaired Capability Awaiting Parts (MICAP) driver and cannot support planned upgrades to the A-10. New CICS will reduce failure rates, mitigates heat and vibration issues increasing flying time, supports integration of future modifications and provides ease of repair and enhanced affordable support.

Portable Automatic Test Set 70A (PATS-70A) provides trouble shooting capability, reduces downtime and enhances fault isolation for avionics and munitions. It replaces the PATS-30 which experienced obsolescence and diminishing sources. The PATS-70A incorporates all the capabilities and features of earlier PATS-70 variants and contains both Avionics and Armament Test Program Sets (TPS) for the A-10 Aircraft. These capabilities include ops check & fault isolation of Alpha Mach, Anti-Skid, Fuel Quantity Indicating Systems, Stability Augmentation System (SAS), and the Integrated Flight and Fire Control Computer Systems. PATS-70A will incorporate all features of the following currently fielded O & I-level armament testers through the use of TPS: 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/DSM-157, Gun Test Set TS-138, MK-III & MK-IV Rocket Launcher & Flare Dispenser Testers, and Ejector Bomb & Rack Test Sets.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities. Funding for this exhibit contained in PE 0207131F.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	42.265	77.972	-	0.000	0.000	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	11.098	3.000	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	9.950	3.000	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	63.313	83.972	-	0.000	0.000	-	-	-	-

Justification:
The A-10 is not supported in the FY24 PB. Programs include Wing Replacement Program (ATTACK); Helmet Mounted Cueing System (HMCS); ARC-210; 2ND Gigabit Ethernet Switch (2GES); A-10 High Resolution Display System (HRDS); 3-Dimensional Audio (3DA); Small Diameter Bomb-1 (SDB-1); On Board Oxygen Generation System (OBOGS); Central Interface Control System(CICS); Portable Automatic Test Set 70A (PATS-70A)

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft /
 BSA 2: Tactical Aircraft **P-1 Line Item Number / Title:**
 E011A0 / E-11 BACN/HAG

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207610F

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	52.743	64.244	20.609	58.923	-	58.923	102.035	70.406	56.203	56.290	-	481.453
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	52.743	64.244	20.609	58.923	-	58.923	102.035	70.406	56.203	56.290	-	481.453
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	52.743	64.244	20.609	58.923	-	58.923	102.035	70.406	56.203	56.290	-	481.453

(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:

Battlefield Airborne Communication 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. Funding for this exhibit contained in PE 0207610F and PE 0207238F.

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 mission, domestic emergency responses, and providing military support to civilian authorities.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

P-1 Line Item Number / Title:
E011A0 / E-11 BACN/HAG

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207610F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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-3a	1 / E-11 Mods (Other)		A		- / 52.743	- / 64.244	- / 20.609	- / 58.923	- / 0.000	- / 58.923
P-40	Total Gross/Weapon System Cost				- / 52.743	- / 64.244	- / 20.609	- / 58.923	- / -	- / 58.923

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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-3a	1 / E-11 Mods (Other)		A		- / 102.035	- / 70.406	- / 56.203	- / 56.290	- / -	- / 481.453
P-40	Total Gross/Weapon System Cost				- / 102.035	- / 70.406	- / 56.203	- / 56.290	- / -	- / 481.453

*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:
BACN includes the payload, its host platforms, and associated ground systems. As mandates/ requirements emerge for new hardware and software capabilities that improve system performance, external time references, interoperability and open mission system technologies, BACN will host the integration of these and future emerging technologies, such as, but not limited to, Ka-Band SATCOM, High Capacity Backbone (HCB), Supplemental Type Certs (STC), M-Code Military GPS, and Protected Tactical Waveform (PTW).

Funding will be used to address Diminishing Manufacturing Sources (DMS) Issues. This may include modifications required for enhanced capability and improvements to system reliability and maintainability. Safety of flight considerations, including but not limited to, performance, aircraft structural integrity, availability, and continuity of service requirements for long range reference, local area reference, and landing/terminal reference.

As Combatant Commanders needs emerge in multiple AOR's, additional procurement of BACN aircraft platforms will be critical to meet these taskings. This will include, but not be limited to, standardization of avionics baseline and the production of all Supplemental Type Certificates of the most up to date configurations of the fleet. This effort includes Military GPS, Advanced Position, Navigation, and Timing (PNT) systems, communication systems/capabilities and any additional mandates levied on the BACN system and platforms. Funding will also be used for fulfillment of requirements in support of alteration, conversion, and modernization of the BACN fleet. In order to fulfill a worldwide rapidly deployable requirement, funding will be required to meet the Unit Type Codes (UTC) for the aircraft to operate anywhere around the globe for a minimum of 30 days.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG	Modification Number / Title: 1 / E-11 Mods

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	52.743	64.244	20.609	58.923	0.000	58.923	102.035	70.406	56.203	56.290	-	481.453
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	52.743	64.244	20.609	58.923	0.000	58.923	102.035	70.406	56.203	56.290	-	481.453
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	52.743	64.244	20.609	58.923	0.000	58.923	102.035	70.406	56.203	56.290	-	481.453

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

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

Description:

Battlefield Airborne Communication 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, emerging capabilities, and TDL relay functions for beyond-line-of-sight (BLOS) data communications.

BACN includes the payload, its host platforms, and associated ground systems. The program is currently in the Operations and Support (O&S) Phase of the Life Cycle Management System. As requirements emerge for new hardware and software capabilities that improve system performance such as, external time references, interoperability and open mission system technologies. BACN will host the integration of these and future communication technologies. Funding will be used to address Diminishing Manufacturing Sources (DMS) Issues. This may include modifications required for enhanced capability and improvements to system reliability and maintainability. Safety of flight considerations, including but not limited to, performance, aircraft structural integrity, availability, and continuity of service requirements for long range reference, local area reference, and landing/terminal reference. This effort includes Military GPS, advanced navigation systems and any additional mandates levied on the BACN system and platforms.

Funding supports procurement of BACN weapons system provisioning supplies necessary to execute the current and future BACN operations and support the BACN product strategy.

Funding supports program support costs including but not limited to, A&AS, FFRDC, and assessments.

Milestone/Development Status

-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG						Modification Number / Title: 1 / E-11 Mods			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: E-11A				Modification Type: Other				Related RDT&E PEs: 0207610F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 11: BACN Aircraft INSTALL KITS													
A Kits													
Recurring													
BACN Aircraft INSTALL KITS:INSTALL KITS Group A (Active)	- / -	2 / 20.639	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 20.639	
<i>Subtotal: Recurring</i>	- / -	- / 20.639	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.639	
<i>Subtotal: BACN Aircraft INSTALL KITS</i>	- / -	- / 20.639	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.639	
Modification Item 2 of 11: BACN Payload													
A Kits													
Recurring													
BACN Payload:INSTALL KITS Group A (Active)	1 / 10.591	2 / 22.364	1 / 10.309	1 / 4.650	- / -	1 / 4.650	- / -	- / -	- / -	- / -	- / -	5 / 47.914	
<i>Subtotal: Recurring</i>	- / 10.591	- / 22.364	- / 10.309	- / 4.650	- / -	- / 4.650	- / -	- / -	- / -	- / -	- / -	- / 47.914	
<i>Subtotal: BACN Payload</i>	- / 10.591	- / 22.364	- / 10.309	- / 4.650	- / -	- / 4.650	- / -	- / -	- / -	- / -	- / -	- / 47.914	
Modification Item 3 of 11: E-11A IFF													
A Kits													
Recurring													
E-11A IFF:INSTALL KITS Group A (Active)	- / -	2 / 5.928	- / -	1 / 0.778	- / -	1 / 0.778	- / -	- / -	- / -	- / -	- / -	3 / 6.706	
<i>Subtotal: Recurring</i>	- / -	- / 5.928	- / -	- / 0.778	- / -	- / 0.778	- / -	- / -	- / -	- / -	- / -	- / 6.706	
<i>Subtotal: E-11A IFF</i>	- / -	- / 5.928	- / -	- / 0.778	- / -	- / 0.778	- / -	- / -	- / -	- / -	- / -	- / 6.706	
Modification Item 4 of 11: E-11A MiIGPS													
A Kits													
Recurring													
E-11A MiIGPS:INSTALL KITS Group A (Active)	- / -	2 / 10.556	- / -	1 / 1.167	- / -	1 / 1.167	- / -	- / -	- / -	- / -	- / -	3 / 11.723	
<i>Subtotal: Recurring</i>	- / -	- / 10.556	- / -	- / 1.167	- / -	- / 1.167	- / -	- / -	- / -	- / -	- / -	- / 11.723	
<i>Subtotal: E-11A MiIGPS</i>	- / -	- / 10.556	- / -	- / 1.167	- / -	- / 1.167	- / -	- / -	- / -	- / -	- / -	- / 11.723	
Modification Item 5 of 11: Engines													
A Kits													
Recurring													
Engines:INSTALL KITS Group A (Active)	4 / 37.513	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 37.513	
<i>Subtotal: Recurring</i>	- / 37.513	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.513	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG						Modification Number / Title: 1 / E-11 Mods		
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:					
Models of Systems Affected: E-11A				Modification Type: Other				Related RDT&E PEs: 0207610F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<i>Subtotal: Engines</i>	- / 37.513	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.513
Modification Item 6 of 11: High Capacity Backbone (HCB)												
A Kits												
Recurring												
High Capacity Backbone (HCB):INSTALL KITS Group A (Active)	- / -	- / -	- / -	1 / 0.771	- / -	1 / 0.771	- / -	- / -	- / -	- / -	- / -	1 / 0.771
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.771	- / -	- / 0.771	- / -	- / -	- / -	- / -	- / -	- / 0.771
<i>Subtotal: High Capacity Backbone (HCB)</i>	- / -	- / -	- / -	- / 0.771	- / -	- / 0.771	- / -	- / -	- / -	- / -	- / -	- / 0.771
Modification Item 7 of 11: Ka SATCOM												
A Kits												
Recurring												
Ka SATCOM:INSTALL KITS Group A (Active)	- / -	- / -	- / 10.300	1 / 2.732	- / -	1 / 2.732	- / -	- / -	- / -	- / -	- / -	1 / 13.032
<i>Subtotal: Recurring</i>	- / -	- / -	- / 10.300	- / 2.732	- / -	- / 2.732	- / -	- / -	- / -	- / -	- / -	- / 13.032
<i>Subtotal: Ka SATCOM</i>	- / -	- / -	- / 10.300	- / 2.732	- / -	- / 2.732	- / -	- / -	- / -	- / -	- / -	- / 13.032
Modification Item 8 of 11: Low Cost Mods												
A Kits												
Recurring												
Low Cost Mods:INSTALL KITS Group A (Active)	1 / 1.463	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.463
<i>Subtotal: Recurring</i>	- / 1.463	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.463
<i>Subtotal: Low Cost Mods</i>	- / 1.463	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.463
Modification Item 9 of 11: MIDS JTRS / BU3												
A Kits												
Recurring												
MIDS JTRS / BU3:INSTALL KITS Group A (Active)	- / -	- / -	- / -	20 / 3.600	- / -	20 / 3.600	- / -	- / -	- / -	- / -	- / -	20 / 3.600
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 3.600	- / -	- / 3.600	- / -	- / -	- / -	- / -	- / -	- / 3.600
<i>Subtotal: MIDS JTRS / BU3</i>	- / -	- / -	- / -	- / 3.600	- / -	- / 3.600	- / -	- / -	- / -	- / -	- / -	- / 3.600
Modification Item 10 of 11: Protected Tactical Waveform (PTW)												
A Kits												
Recurring												
Protected Tactical Waveform (PTW):INSTALL KITS Group A (Active)	- / -	- / -	- / -	1 / 3.729	- / -	1 / 3.729	- / -	- / -	- / -	- / -	- / -	1 / 3.729

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG				Modification Number / Title: 1 / E-11 Mods				
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:					
Models of Systems Affected: E-11A			Modification Type: Other				Related RDT&E PEs: 0207610F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 3.729	- / -	- / 3.729	- / -	- / -	- / -	- / -	- / -	- / 3.729
<i>Subtotal: Protected Tactical Waveform (PTW)</i>	- / -	- / -	- / -	- / 3.729	- / -	- / 3.729	- / -	- / -	- / -	- / -	- / -	- / 3.729
Modification Item 11 of 11: STCs / A-Kit for New E-11A												
A Kits												
Recurring												
STCs / A-Kit for New E-11A:INSTALL KITS Group A (Active)	- / -	- / -	- / -	1 / 3.350	- / -	1 / 3.350	- / 197.520	- / 170.406	- / 56.203	- / 56.290	- / -	1 / 283.769
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 3.350	- / -	- / 3.350	- / 197.520	- / 170.406	- / 56.203	- / 56.290	- / -	- / 283.769
<i>Subtotal: STCs / A-Kit for New E-11A</i>	- / -	- / -	- / -	- / 3.350	- / -	- / 3.350	- / 197.520	- / 170.406	- / 56.203	- / 56.290	- / -	- / 283.769
<i>Subtotal: Procurement, All Modification Items</i>	- / 49.567	- / 59.487	- / 20.609	- / 20.777	- / -	- / 20.777	- / 197.520	- / 170.406	- / 56.203	- / 56.290	- / -	- / 430.859
Support (All Modification Items)												
PSC - Other Gov't Costs	- / -	- / -	- / -	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 1.000
PSC - Contractor Services	- / 3.176	- / 4.757	- / -	- / 2.662	- / -	- / 2.662	- / -	- / -	- / -	- / -	- / -	- / 10.595
FFRDC	- / -	- / -	- / -	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 1.000
<i>Subtotal: Support</i>	- / 3.176	- / 4.757	- / -	- / 4.662	- / -	- / 4.662	- / -	- / -	- / -	- / -	- / -	- / 12.595
Installation												
Modification Item 1 of 11: BACN Aircraft INSTALL KITS	- / -	- / -	2 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.000
Modification Item 2 of 11: BACN Payload	1 / 0.000	2 / 0.000	1 / 0.000	1 / 10.864	- / -	1 / 10.864	- / -	- / -	- / -	- / -	- / -	5 / 10.864
Modification Item 3 of 11: E-11A IFF	- / -	2 / 0.000	- / -	0 / 0.000	- / -	0 / 0.000	1 / 0.000	- / -	- / -	- / -	- / -	3 / 0.000
Modification Item 4 of 11: E-11A MilGPS	- / -	2 / 0.000	- / -	0 / 0.000	- / -	0 / 0.000	1 / 1.905	- / -	- / -	- / -	- / -	3 / 1.905
Modification Item 5 of 11: Engines	4 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.000
Modification Item 6 of 11: High Capacity Backbone (HCB)	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000	- / -	- / -	- / -	- / -	1 / 0.000
Modification Item 7 of 11: Ka SATCOM	- / -	- / -	- / -	1 / 6.373	- / -	1 / 6.373	- / -	- / -	- / -	- / -	- / -	1 / 6.373
Modification Item 8 of 11: Low Cost Mods	1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000
Modification Item 9 of 11: MIDS JTRS / BU3	- / -	- / -	- / -	20 / 8.400	- / -	20 / 8.400	- / -	- / -	- / -	- / -	- / -	20 / 8.400
Modification Item 10 of 11: Protected Tactical Waveform (PTW)	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.610	- / -	- / -	- / -	- / -	1 / 2.610
Modification Item 11 of 11: STCs / A-Kit for New E-11A	- / -	- / -	- / -	1 / 7.847	- / -	1 / 7.847	- / -	- / -	- / -	- / -	- / -	1 / 7.847
<i>Subtotal: Installation</i>	6 / 0.000	6 / 0.000	3 / 0.000	23 / 33.484	- / -	23 / 33.484	4 / 4.515	- / -	- / -	- / -	- / -	42 / 37.999
Total												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG	Modification Number / Title: 1 / E-11 Mods
---	--	--

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

Models of Systems Affected: E-11A **Modification Type:** Other **Related RDT&E PEs:** 0207610F

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Total Cost (Procurement + Support + Installation)	52.743	64.244	20.609	58.923	0.000	58.923	102.035	70.406	56.203	56.290	-	481.453

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG	Modification Number / Title: 1 / E-11 Mods
---	--	--

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

Modification Item 1 of 11: BACN Aircraft INSTALL KITS

Manufacturer Information

Manufacturer Name: Northrop Grumman				Manufacturer Location: Various			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 3			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022						
Delivery Dates	Apr 2022						

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	2 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.000
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	2 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.000

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2
Out	0	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG	Modification Number / Title: 1 / E-11 Mods
---	--	--

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

Modification Item 2 of 11: BACN Payload

Manufacturer Information

Manufacturer Name: Northrop Grumman Manufacturer Location: Various

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

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022	Jan 2023	Jan 2024				
Delivery Dates	Apr 2022	Apr 2023	Apr 2024				

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000
FY 2022	- / -	2 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.000
FY 2023	- / -	- / -	1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000
FY 2024	- / -	- / -	- / -	1 / 10.864	- / -	1 / 10.864	- / -	- / -	- / -	- / -	- / -	1 / 10.864
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.000	2 / 0.000	1 / 0.000	1 / 10.864	- / -	1 / 10.864	- / -	- / -	- / -	- / -	- / -	5 / 10.864

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	2	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	5	
Out	1	-	-	2	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	5	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG	Modification Number / Title: 1 / E-11 Mods
---	--	--

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

Modification Item 3 of 11: E-11A IFF

Manufacturer Information

Manufacturer Name: Northrop Grumman				Manufacturer Location: Various			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 3			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022		Jan 2024				
Delivery Dates	Apr 2022		Apr 2024				

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	2 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.000
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	0 / 0.000	- / -	0 / 0.000	1 / 0.000	- / -	- / -	- / -	- / -	1 / 0.000
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	2 / 0.000	- / -	0 / 0.000	- / -	0 / 0.000	1 / 0.000	- / -	- / -	- / -	- / -	3 / 0.000

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3
Out	0	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG	Modification Number / Title: 1 / E-11 Mods
---	--	--

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

Modification Item 4 of 11: E-11A MiIGPS

Manufacturer Information

Manufacturer Name: Northrop Grumman				Manufacturer Location: Various			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 3			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022		Jun 2024				
Delivery Dates	Apr 2022		Sep 2024				

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	2 / 0.000	- / -	0 / 0.000	- / -	0 / 0.000	- / -	- / -	- / -	- / -	- / -	2 / 0.000
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.905	- / -	- / -	- / -	- / -	1 / 1.905
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	2 / 0.000	- / -	0 / 0.000	- / -	0 / 0.000	1 / 1.905	- / -	- / -	- / -	- / -	3 / 1.905

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3
Out	0	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG	Modification Number / Title: 1 / E-11 Mods

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

Modification Item 5 of 11: Engines

Manufacturer Information

Manufacturer Name: Rolls Royce	Manufacturer Location: Various
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 3

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	4 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.000
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.000

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	4
Out	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	4

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG	Modification Number / Title: 1 / E-11 Mods
---	--	--

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

Modification Item 6 of 11: High Capacity Backbone (HCB)

Manufacturer Information

Manufacturer Name: TBD Manufacturer Location: TBD

Administrative Leadtime (in Months): 6 Production Leadtime (in Months): 6

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Apr 2024				
Delivery Dates			Oct 2024				

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000	- / -	- / -	- / -	- / -	1 / 0.000
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000	- / -	- / -	- / -	- / -	1 / 0.000

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG	Modification Number / Title: 1 / E-11 Mods
---	--	--

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

Modification Item 7 of 11: Ka SATCOM

Manufacturer Information

Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 1			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Mar 2024				
Delivery Dates			Apr 2024				

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	1 / 6.373	- / -	1 / 6.373	- / -	- / -	- / -	- / -	- / -	1 / 6.373
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 6.373	- / -	1 / 6.373	- / -	- / -	- / -	- / -	- / -	1 / 6.373

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	0	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
Out	0	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG	Modification Number / Title: 1 / E-11 Mods
---	--	--

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

Modification Item 8 of 11: Low Cost Mods

Manufacturer Information

Manufacturer Name: Unknown Manufacturer Location: Various

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

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000

Installation Schedule

PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG	Modification Number / Title: 1 / E-11 Mods
---	--	--

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

Modification Item 9 of 11: MIDS JTRS / BU3

Manufacturer Information

Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 1			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Jan 2024				
Delivery Dates			Feb 2024				

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	20 / 8.400	- / -	20 / 8.400	- / -	- / -	- / -	- / -	- / -	20 / 8.400
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	20 / 8.400	- / -	20 / 8.400	- / -	- / -	- / -	- / -	- / -	20 / 8.400

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	0	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	20
Out	0	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	20

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG	Modification Number / Title: 1 / E-11 Mods
---	--	--

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

Modification Item 10 of 11: Protected Tactical Waveform (PTW)

Manufacturer Information

Manufacturer Name: Northrop Grumman Manufacturer Location: Middle River, MD

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

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Mar 2024				
Delivery Dates			Jun 2024				

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.610	- / -	- / -	- / -	- / -	1 / 2.610
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.610	- / -	- / -	- / -	- / -	1 / 2.610

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: E011A0 / E-11 BACN/HAG	Modification Number / Title: 1 / E-11 Mods
---	--	--

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

Modification Item 11 of 11: STCs / A-Kit for New E-11A

Manufacturer Information

Manufacturer Name: TBD Manufacturer Location: Various

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

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Jan 2024				
Delivery Dates			Apr 2024				

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	1 / 7.847	- / -	1 / 7.847	- / -	- / -	- / -	- / -	- / -	1 / 7.847
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 7.847	- / -	1 / 7.847	- / -	- / -	- / -	- / -	- / -	1 / 7.847

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
Out	0	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207130F, 0207134F, 0207445F, 0809731F	Other Related Program Elements: 0207130F, 0207134F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	4,394.722	162.473	194.379	34.830	-	34.830	29.690	159.093	36.185	15.059	90.402	5,116.833
Less PY Advance Procurement (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	-	-	-	0.000
Net Procurement (P-1) (<i>\$ in Millions</i>)	4,394.722	162.473	194.379	34.830	-	34.830	29.690	159.093	36.185	15.059	90.402	5,116.833
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4,394.722	162.473	194.379	34.830	-	34.830	29.690	159.093	36.185	15.059	90.402	5,116.833

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

Initial Spares (<i>\$ in Millions</i>)	-	17.937	13.836	14.081	-	14.081	17.391	17.696	18.098	18.475	-	117.514
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds modifications to the F-15 aircraft. The F-15C/D is a twin engine (F-15C single seat; F-15D dual seat) supersonic, all-weather, day/night, air-superiority fighter. The F-15E is a twin engine, two seat, supersonic dual-role, day/night, all-weather, deep interdiction fighter with multi-role air-to-air capabilities. As of 28 Feb 2023, Air Force inventory included 165 F-15C, 14 F-15D, and 218 F-15E aircraft.

The overall goals of the budgeted modifications are to improve operational capability, reliability and maintainability, and flight safety. The specific modifications budgeted and programmed are below.

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

The BY2024 funding request was reduced by \$12.132 million to account for the availability of prior year execution balances

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

Funding for this exhibit is contained in PEs 0207130F, 0207134F, and 0809731F.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	158.673	180.379	34.830	-	34.830	29.690	159.093	36.185
AFNG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.800	14.000	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207130F, 0207134F, 0207445F, 0809731F	Other Related Program Elements: 0207130F, 0207134F
--	--	---

Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	162.473	194.379	34.830	-	34.830	29.690	159.093	36.185	15.059

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date: March 2023**

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

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

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0207130F, 0207134F, 0207445F, 0809731F **Other Related Program Elements:** 0207130F, 0207134F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	_1202 / F-15E Radar Modernization Program APG-82(V)1 (Capability Improvement)				- / 1,769.890	- / 53.854	- / 24.766	- / -	- / -	- / -
P-40a***	1203 / F-15 C/D Secondary Power System (SPS) (Reliability & Maintainability)				- / 7.492	- / -	- / -	- / -	- / -	- / -
P-40a***	1205 / :Advanced Display Core Processor, ADCP II-C (Reliability & Maintainability)				- / 180.917	- / 5.632	- / 0.000	- / -	- / -	- / -
P-40a***	1206 / F-15C Infrared Search and Track (IRST) (Capability Improvement)				- / 125.545	- / 4.658	- / 0.000	- / -	- / -	- / -
P-40a***	1209 / F-15 C/D Flight Data Recorder (FDR) (Capability Improvement)				- / 24.828	- / -	- / -	- / -	- / -	- / -
P-40a***	1210 / F-15E Flight Data Recorder (FDR) (Capability Improvement)				- / 142.473	- / -	- / -	- / -	- / -	- / -
P-40a***	6158 / F-15C/D APG-63(V)3 radar upgrade (Capability Improvement)				- / 1,356.639	- / -	- / -	- / -	- / -	- / -
P-40a***	8353 / F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM (Reliability & Maintainability)				- / 104.524	- / -	- / -	- / -	- / -	- / -
P-40a***	8662 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Service Life Extension)				- / 8.046	- / 0.176	- / 0.254	- / 1.249	- / -	- / 1.249
P-40a***	8754 / F-15C/D IFF Mode 5 (Reliability & Maintainability)				- / 51.533	- / -	- / -	- / -	- / -	- / -
P-40a***	8755 / F-15E IFF MODE 5 (Reliability & Maintainability)				- / 63.418	- / 1.883	- / -	- / -	- / -	- / -
P-40a***	8756 / F-15C/D Link 16 Cryptographic Modernization (Capability Improvement)				- / 0.002	- / -	- / -	- / -	- / -	- / -
P-40a***	8794 / F-15C/D Beyond Line Of Sight Communications (Capability Improvement)				- / 54.428	- / -	- / -	- / -	- / -	- / -
P-40a***	8797 / F-15C Passive Attack Sensor System (Capability Improvement)				- / 28.577	- / -	- / -	- / -	- / -	- / -
P-40a***	8798 / 5th to 4th Gen Gateway (Capability Improvement)				- / 3.698	- / -	- / -	- / -	- / -	- / -
P-40a***	8799 / F-15C MIDS JTRS (Capability Improvement)				- / 76.645	- / -	- / -	- / -	- / -	- / -
P-40a***	8801 / F-15 C/D SLEP Longerons (Service Life Extension)				- / 40.442	- / 7.520	- / 14.567	- / -	- / -	- / -
P-40a***	8806 / F-15 C/D Cabin Pressure Indicator (Safety)				- / 2.773	- / -	- / -	- / -	- / -	- / -
P-40a***	8807 / F-15 E Cabin Pressure Indicator (Safety)				- / 15.893	- / -	- / -	- / -	- / -	- / -
P-40a***	8810 / F-15E APG-82(V)1 Common Config (Capability Improvement)				- / 61.722	- / 6.954	- / -	- / -	- / -	- / -
P-40a***	8811 / F-15E SATCOM UON (Other)				- / 17.700	- / -	- / -	- / -	- / -	- / -
P-40a***	8813 / F-15E B61 A/C Umbilical (Capability Improvement)				- / 0.542	- / -	- / -	- / -	- / -	- / -
P-40a***	8815 / F-15C Simulator Upgrade (Capability Improvement)				- / 15.000	- / -	- / -	- / -	- / -	- / -
P-40a***	8816 / F-15C/D APG-63(V)3 Common Config (Reliability & Maintainability)				- / 5.297	- / 0.896	- / 0.070	- / -	- / -	- / -
P-40a***	8817 / F-15E DTM II (Reliability & Maintainability)				- / -	- / 7.527	- / 38.566	- / -	- / -	- / -
P-40a***	8825 / F-15E M Code (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a***	99999U / LOW COST RETROFIT MODS (Service Life Extension)				- / 7.268	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: F01500 / F-15

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207130F, 0207134F, 0207445F, 0809731F	Other Related Program Elements: 0207130F, 0207134F
--	--	---

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	99999X / Low Cost Modifications (Capability Improvement)				- / 0.529	- / 0.000	- / 0.000	- / -	- / -	- / -
P-3a	1 / Advanced Display Core Processor, ADCP II-E (Capability Improvement)		A		- / 146.417	- / 32.432	- / 36.899	- / 12.546	- / 0.000	- / 12.546
P-3a	8800 / F-15E MIDS JTRS (Capability Improvement)		B		- / 82.484	- / 23.563	- / 28.117	- / 10.150	- / 0.000	- / 10.150
P-3a	8804 / F-15 F-15 E/MUOS (Capability Improvement)		B		- / -	- / 17.378	- / 51.140	- / 10.885	- / 0.000	- / 10.885
P-40	Total Gross/Weapon System Cost				- / 4,394.722	- / 162.473	- / 194.379	- / 34.830	- / -	- / 34.830

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	_1202 / F-15E Radar Modernization Program APG-82(V)1 (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 1,848.510
P-40a***	1203 / F-15 C/D Secondary Power System (SPS) (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 7.492
P-40a***	1205 / :Advanced Display Core Processor, ADCP II-C (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 186.549
P-40a***	1206 / F-15C Infrared Search and Track (IRST) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 130.203
P-40a***	1209 / F-15 C/D Flight Data Recorder (FDR) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 24.828
P-40a***	1210 / F-15E Flight Data Recorder (FDR) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 142.473
P-40a***	6158 / F-15C/D APG-63(V)3 radar upgrade (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 1,356.639
P-40a***	8353 / F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 104.524
P-40a***	8662 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Service Life Extension)				- / 1.277	- / 1.301	- / 1.330	- / 2.218	- / -	- / 15.851
P-40a***	8754 / F-15C/D IFF Mode 5 (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 51.533
P-40a***	8755 / F-15E IFF MODE 5 (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 65.301
P-40a***	8756 / F-15C/D Link 16 Cryptographic Modernization (Capability Improvement)				- / -	- / 43.200	- / -	- / -	- / -	- / 43.202
P-40a***	8794 / F-15C/D Beyond Line Of Sight Communications (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 54.428
P-40a***	8797 / F-15C Passive Attack Sensor System (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 28.577
P-40a***	8798 / 5th to 4th Gen Gateway (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 3.698
P-40a***	8799 / F-15C MIDS JTRS (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 76.645
P-40a***	8801 / F-15 C/D SLEP Longerons (Service Life Extension)				- / -	- / -	- / -	- / -	- / -	- / 62.529
P-40a***	8806 / F-15 C/D Cabin Pressure Indicator (Safety)				- / -	- / -	- / -	- / -	- / -	- / 2.773

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft		P-1 Line Item Number / Title: F01500 / F-15
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207130F, 0207134F, 0207445F, 0809731F	Other Related Program Elements: 0207130F, 0207134F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	8807 / F-15 E Cabin Pressure Indicator (Safety)				- / -	- / -	- / -	- / -	- / -	- / 15.893
P-40a***	8810 / F-15E APG-82(V)1 Common Config (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 68.676
P-40a***	8811 / F-15E SATCOM UON (Other)				- / -	- / -	- / -	- / -	- / -	- / 17.700
P-40a***	8813 / F-15E B61 A/C Umbilical (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 0.542
P-40a***	8815 / F-15C Simulator Upgrade (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 15.000
P-40a***	8816 / F-15C/D APG-63(V)3 Common Config (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 6.263
P-40a***	8817 / F-15E DTM II (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 46.093
P-40a***	8825 / F-15E M Code (Reliability & Maintainability)				- / -	- / 16.630	- / 28.258	- / 6.106	- / 79.460	- / 130.454
P-40a***	99999U / LOW COST RETROFIT MODS (Service Life Extension)				- / -	- / -	- / -	- / -	- / -	- / 7.268
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 0.529
P-3a	1 / Advanced Display Core Processor, ADCP II-E (Capability Improvement)		A		- / 0.000	- / -	- / -	- / -	- / -	- / 228.294
P-3a	8800 / F-15E MIDS JTRS (Capability Improvement)		B		- / 7.600	- / 37.002	- / 2.660	- / 6.735	- / 10.942	- / 209.253
P-3a	8804 / F-15 F-15 E/MUOS (Capability Improvement)		B		- / 20.813	- / 60.960	- / 3.937	- / 0.000	- / -	- / 165.113
P-40	Total Gross/Weapon System Cost				- / 29.690	- / 159.093	- / 36.185	- / 15.059	- / 90.402	- / 5,116.833

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

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

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

Justification:
FY24 funding requests are identified in P-40 and associated P-3As.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 1 / Advanced Display Core Processor, ADCP II-E

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	146.417	32.432	36.899	12.546	0.000	12.546	0.000	-	-	-	-	228.294
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	146.417	32.432	36.899	12.546	0.000	12.546	0.000	-	-	-	-	228.294
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	146.417	32.432	36.899	12.546	0.000	12.546	0.000	-	-	-	-	228.294

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

Initial Spares (\$ in Millions)	-	5.644	-	4.693	-	4.693	-	-	-	-	-	10.337
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The F-15E requires a replacement Advanced Display Core Processor (ADCP II) to meet future and projected subsystem demands. The ADCP II program will equip F-15E with a central processor with sufficient memory, processing throughput, and Input/Output bandwidth to meet the Operational Flight Program growth requirements of Suite 8 and beyond, and will support other major platform upgrades. The increased capability of ADCP II will also enable the F-15E to fully exploit the APG-82(V)1 radar capabilities, to include increased target tracks, mode simultaneity, and increased track data. The ADCP II is required to meet all APG-82(V)1 key system attributes. ADCP II is a pre-requisite for the MIDS-JTRS installations and mandates. ADCP II is also a pre-requisite for MUOS/SATURN, DTM II, EPAWSS, RMP, OFP Suite 9, and GPP3/WFG, as well as new platforms, such as the F-15EX and FMS aircraft.

Funding will be used to resolve repair, 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 minor engineering efforts for redesign.

The procurement/installation plan has been adjusted to align with the Air Force's F-15E divestment plan. 158 B-kits have been ordered with prior-year funding; installations are planned to conclude in FY 2024.

Requirement documented in AF Form 1067, approved July 2012.

Milestone/Development Status

Critical Design Review (CDR) completed 4QFY2013, Milestone B completed 1QFY2014, DT&E completed 4Q2016, Force Development Evaluation and Milestone C completed 4QFY2017, Full Rate Production Decision (FRPD) completed 2QFY2021.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	32.432	36.899	12.546	-	12.546	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	32.432	36.899	12.546	0.000	12.546	0.000	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 1 / Advanced Display Core Processor, ADCP II-E			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: F-15E				Modification Type: Capability Improvement				Related RDT&E PEs: 0207134F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207134F	- / 196.483	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 196.483	
Procurement													
Modification Item 1 of 1: ADCP II E													
A Kits													
Recurring													
ADCP II E:INSTALL KITS Group A (Active)	105 / 1.372	53 / 0.761	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	158 / 2.133	
<i>Subtotal: Recurring</i>	- / 1.372	- / 0.761	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.133	
B Kits													
Recurring													
ADCP II E:EQUIPMENT Group B (Active)	105 / 105.303	53 / 26.503	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	158 / 131.806	
<i>Subtotal: Recurring</i>	- / 105.303	- / 26.503	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 131.806	
<i>Subtotal: ADCP II E</i>	- / 106.675	- / 27.264	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 133.939	
<i>Subtotal: Procurement, All Modification Items</i>	- / 106.675	- / 27.264	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 133.939	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 6.808	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.808	
Type 1 Training	- / 0.086	- / 0.542	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.128	
Change Orders	- / 2.833	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.833	
Data	- / 4.203	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.203	
SUPPORT-EQUIP	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	
ICS-Labor	- / 4.527	- / 3.316	- / 29.579	- / 12.546	- / -	- / 12.546	- / -	- / -	- / -	- / -	- / -	- / 49.968	
OTHER GOVT	- / 12.937	- / 0.100	- / 6.820	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.857	
PMA - Other Gov't Costs	- / 8.238	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.238	
<i>Subtotal: Support</i>	- / 39.632	- / 3.958	- / 36.899	- / 12.546	- / -	- / 12.546	- / -	- / -	- / -	- / -	- / -	- / 93.035	
Installation													
Modification Item 1 of 1: ADCP II E	60 / 0.110	45 / 1.210	27 / 0.000	26 / 0.000	- / -	26 / 0.000	- / -	- / -	- / -	- / -	- / -	158 / 1.320	
<i>Subtotal: Installation</i>	60 / 0.110	45 / 1.210	27 / 0.000	26 / -	- / -	26 / -	- / -	- / -	- / -	- / -	- / -	158 / 1.320	
Total													
Total Cost (Procurement + Support + Installation)	146.417	32.432	36.899	12.546	0.000	12.546	0.000	-	-	-	-	228.294	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 1 / Advanced Display Core Processor, ADCP II-E

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

Modification Item 1 of 1: ADCP II E

Manufacturer Information

Manufacturer Name: Honeywell	Manufacturer Location: Phoenix, AZ
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 15

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Mar 2022						
Delivery Dates	Jun 2023						

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	60 / 0.110	45 / 1.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	105 / 1.320
FY 2022	- / -	- / -	27 / 0.000	26 / 0.000	- / -	26 / 0.000	- / -	- / -	- / -	- / -	- / -	53 / 0.000
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	60 / 0.110	45 / 1.210	27 / 0.000	26 / 0.000	- / -	26 / 0.000	- / -	- / -	- / -	- / -	- / -	158 / 1.320

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	60	11	11	11	12	6	7	7	7	6	6	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	158
Out	60	11	11	11	12	6	7	7	7	6	6	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	158

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 8800 / F-15E MIDS JTRS

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	82.484	23.563	28.117	10.150	0.000	10.150	7.600	37.002	2.660	6.735	10.942	209.253
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	82.484	23.563	28.117	10.150	0.000	10.150	7.600	37.002	2.660	6.735	10.942	209.253
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	82.484	23.563	28.117	10.150	0.000	10.150	7.600	37.002	2.660	6.735	10.942	209.253

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

Initial Spares (<i>\$ in Millions</i>)	-	5.855	0.903	4.694	-	4.694	8.695	8.848	9.049	18.475	-	56.519
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This upgrade integrates and installs a new Link 16 system on the F-15E that complies with an NSA mandate on cryptographic modernization and an FAA mandate on frequency remapping. The FAA mandate requires all fielded Link-16 terminals incorporate the frequency re-mapping capability by 2025. The F-15 also requires full ethernet capability by 31 Dec 2028 in accordance with Joint Requirements Oversight Council (JROC) 097-20.

In addition to meeting the two mandates, the system will significantly increase data link capacity and improve long range performance and the ability to operate in a heavily contested environment. It will also reduce sustainment costs due to its commonality with other DoD assets.

Funding may be used to resolve 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 minor engineering efforts for redesign.

The installation plan was aligned to the Air Force's F-15E divestment plan. MIDS-JTRS installations will complete with 34 F-15E aircraft in FY 2024, achieving a fleet total of 158 aircraft. Upgrades from coaxial cables to Ethernet Wiring will complete with 99 F-15E upgrades.

Milestone/Development Status

MIDS-JTRS was integrated in OFP Suite 9. Milestone C was approved June 2018. Full Rate Production was approved in March 2021.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	23.563	28.117	10.150	-	10.150	7.600	37.002	2.660	6.735
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	23.563	28.117	10.150	0.000	10.150	7.600	37.002	2.660	6.735

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 8800 / F-15E MIDS JTRS			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-15E				Modification Type: Capability Improvement				Related RDT&E PEs: 0207134F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207134F	- / 92.144	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 92.144	
Procurement													
Modification Item 1 of 2: Ethernet Rewire													
A Kits													
Recurring													
Ethernet Rewire:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 9.722	33 / 0.100	33 / 0.137	- / -	99 / 9.959	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.722	- / 0.100	- / 0.137	- / -	- / 9.959	
B Kits													
Recurring													
Ethernet Rewire:EQUIPMENT Group B (Active)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 14.273	33 / 0.195	33 / 0.500	- / -	99 / 14.968	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.273	- / 0.195	- / 0.500	- / -	- / 14.968	
<i>Subtotal: Ethernet Rewire</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.995	- / 0.295	- / 0.637	- / -	- / 24.927	
Modification Item 2 of 2: MIDS JTRS													
A Kits													
Recurring													
MIDS JTRS:INSTALL KITS Group A (Active)	209 / 3.128	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	209 / 3.128	
<i>Subtotal: Recurring</i>	- / 3.128	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.128	
B Kits													
Recurring													
MIDS JTRS:EQUIPMENT Group B (Active)	209 / 49.423	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	209 / 49.423	
<i>Subtotal: Recurring</i>	- / 49.423	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 49.423	
<i>Subtotal: MIDS JTRS</i>	- / 52.551	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 52.551	
<i>Subtotal: Procurement, All Modification Items</i>	- / 52.551	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.995	- / 0.295	- / 0.637	- / -	- / 77.478	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 1.124	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.124	
SUPPORT-EQUIP	- / -	- / -	16 / 2.105	12 / 1.428	- / -	12 / 1.428	46 / 2.853	77 / 5.170	41 / 0.515	37 / 2.280	- / -	229 / 14.351	
BU3 Retrofit	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.240	- / 2.241	- / 0.590	- / 1.271	- / -	- / 6.342	
Change Orders	- / 12.151	- / 8.940	- / 14.235	- / 10.361	- / -	- / 10.361	- / 10.200	- / 1.643	- / -	- / -	- / 12.200	- / 39.730	
OTHER GOVT	- / 8.480	- / 1.421	- / 16.851	- / 11.674	- / -	- / 11.674	- / 10.500	- / 1.647	- / -	- / -	- / 15.750	- / 26.323	
ICS-Labor	- / 14.614	- / 18.450	- / 10.948	- / 10.500	- / -	- / 10.500	- / 10.250	- / 10.450	- / 0.183	- / 10.250	- / 11.020	- / 16.665	
<i>Subtotal: Support</i>	- / 26.369	- / 18.811	16 / 24.139	12 / 3.963	- / -	12 / 3.963	46 / 6.043	77 / 11.151	41 / 1.288	37 / 3.801	- / 8.970	229 / 104.535	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01500 / F-15				Modification Number / Title: 8800 / F-15E MIDS JTRS				
ID Code (A=Service Ready, B=Not Service Ready) : B						MDAP/MAIS Code:						
Models of Systems Affected: F-15E			Modification Type: Capability Improvement				Related RDT&E PEs: 0207134F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Installation												
<i>Modification Item 1 of 2:</i> Ethernet Rewire	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.856	33 / 1.077	33 / 2.297	17 / 1.972	99 / 7.202
<i>Modification Item 2 of 2:</i> MIDS JTRS	36 / 3.564	41 / 4.752	27 / 3.978	42 / 6.187	- / -	42 / 6.187	12 / 1.557	- / -	- / -	- / -	- / -	158 / 20.038
<i>Subtotal: Installation</i>	36 / 3.564	41 / 4.752	27 / 3.978	42 / 6.187	- / -	42 / 6.187	12 / 1.557	16 / 1.856	33 / 1.077	33 / 2.297	17 / 1.972	257 / 27.240
Total												
Total Cost (Procurement + Support + Installation)	82.484	23.563	28.117	10.150	0.000	10.150	7.600	37.002	2.660	6.735	10.942	209.253

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

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

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

Modification Item 1 of 2: Ethernet Rewire

Manufacturer Information

Manufacturer Name: TBD Manufacturer Location: TBD

Administrative Leadtime (in Months): 1 Production Leadtime (in Months): 1

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates					May 2026	May 2027	May 2028
Delivery Dates					Jun 2026	Jun 2027	Jun 2028

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.856	17 / 0.525	- / -	- / -	33 / 2.381
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.552	17 / 1.072	- / -	33 / 1.624
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.225	17 / 1.972	33 / 3.197
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.856	33 / 1.077	33 / 2.297	17 / 1.972	99 / 7.202

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	8	9	8	8	8	9	8	8	17	99
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	8	9	8	8	8	9	8	8	17	99

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

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

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

Modification Item 2 of 2: MIDS JTRS

Manufacturer Information

Manufacturer Name: BAE Systems Manufacturer Location: Wayne, NJ

Administrative Leadtime (in Months): 12 Production Leadtime (in Months): 11

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	36 / 3.564	41 / 4.752	27 / 3.978	38 / 5.598	- / -	38 / 5.598	12 / 1.557	- / -	- / -	- / -	- / -	154 / 19.449
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	36 / 3.564	41 / 4.752	27 / 3.978	38 / 5.598	- / -	38 / 5.598	12 / 1.557	- / -	- / -	- / -	- / -	154 / 19.449

Installation Schedule

PYS	FY 2022	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4								
In	36	12	14	10	5	5	5	8	9	9	10	9	10	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	154
Out	36	12	14	10	5	5	5	8	9	9	10	9	10	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	154

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	4 / 0.589	- / -	4 / 0.589	- / -	- / -	- / -	- / -	- / -	4 / 0.589

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 8800 / F-15E MIDS JTRS
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

Modification Item 2 of 2: MIDS JTRS

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	4 / 0.589	- / -	4 / 0.589	- / -	- / -	- / -	- / -	- / -	4 / 0.589

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	4
Out	0	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	4

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 8804 / F-15 F-15 E/MUOS

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	17.378	51.140	10.885	0.000	10.885	20.813	60.960	3.937	0.000	-	165.113
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	17.378	51.140	10.885	0.000	10.885	20.813	60.960	3.937	0.000	-	165.113
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	17.378	51.140	10.885	0.000	10.885	20.813	60.960	3.937	0.000	-	165.113

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

Initial Spares (<i>\$ in Millions</i>)	-	-	4.124	4.694	-	4.694	8.696	8.848	9.049	-	-	35.411
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The F-15 requires a satellite communications (SATCOM) radio upgrade for Mobile User Objective System (MUOS)/Second Generation Anti-jam Tactical UHF Radio for NATO (SATURN) capability to meet mission requirements that are limited by legacy systems. The SATURN requirement is being driven by a DoD-wide mandate requiring removal of HAVE QUICK II (HQII), as a standard for Alliance communications interoperability effective 31 December 2023. SATURN is required to provide secure line of sight tactical communications and replace the legacy system. It also requires an update to crypto system to overcome obsolescence on the current KY-58. MUOS is the Next Generation Narrowband Beyond Line-of-Sight (BLoS) SATCOM that adapts commercial third-generation (3G) cellular phone system technology (utilizing geosynchronous satellites in place of cellular towers) for military use and provides worldwide UHF secure communications to mobile Warfighters with enhanced features and connectivity options.

The MUOS/SATURN program will purchase the required equipment for the F-15E's - ARC210 Generation 6 radios (RT-2036), and deliver to Boeing for the production installs. The government furnished equipment (GFE) have a 12 month lead time and will be purchased on an annual basis through the Navy to align with the install schedule. The program will comply with the NSA Crypto modernization mandates.

The procurement plan was aligned to the Air Force's F-15E divestment plan, to complete with 158 installs. Ninety assets funded in prior years, nine assets are funded in FY 2024.

Milestone/Development Status

MUOS/SATURN integrates into OFP Suite 9.2 and anticipates fielding beginning in Nov 2023. To date, 8 of 10 flight test aircraft have received the modification, with the remaining two expecting modification by Apr 2023. The program achieved Milestone C on 8 Mar 2023.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	17.378	51.140	10.885	-	10.885	20.813	60.960	3.937	-
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	17.378	51.140	10.885	0.000	10.885	20.813	60.960	3.937	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 8804 / F-15 F-15 E/MUOS			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-15E				Modification Type: Capability Improvement				Related RDT&E PEs: 0207134F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Group B (3)</i>													
A Kits													
Recurring													
Group B:INSTALL KITS Group A (Active)	- / -	20 / 1.667	95 / 5.887	23 / 1.327	- / -	23 / 1.327	20 / 1.220	- / -	- / -	- / -	- / -	158 / 10.101	
<i>Subtotal: Recurring</i>	- / -	- / 1.667	- / 5.887	- / 1.327	- / -	- / 1.327	- / 1.220	- / -	- / -	- / -	- / -	- / 10.101	
B Kits													
Recurring													
Group B:EQUIPMENT Group B (Active)	- / -	20 / 4.829	95 / 23.923	23 / 5.800	- / -	23 / 5.800	20 / 5.230	- / -	- / -	- / -	- / -	158 / 39.782	
<i>Subtotal: Recurring</i>	- / -	- / 4.829	- / 23.923	- / 5.800	- / -	- / 5.800	- / 5.230	- / -	- / -	- / -	- / -	- / 39.782	
<i>Subtotal: Group B (3)</i>	- / -	- / 6.496	- / 29.810	- / 7.127	- / -	- / 7.127	- / 6.450	- / -	- / -	- / -	- / -	- / 49.883	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 6.496	- / 29.810	- / 7.127	- / -	- / 7.127	- / 6.450	- / -	- / -	- / -	- / -	- / 49.883	
Support (All Modification Items)													
SEPM/Proposal Prep/Site Activation/ICS/Other support	- / -	- / 10.673	- / 20.896	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 31.569	
OTHER GOVT	- / -	- / 0.209	- / 0.434	- / -	- / -	- / -	- / 10.107	- / 147.966	- / 3.937	- / -	- / -	- / 52.653	
<i>Subtotal: Support</i>	- / -	- / 10.882	- / 21.330	- / -	- / -	- / -	- / 10.107	- / 147.966	- / 3.937	- / -	- / -	- / 84.222	
Installation													
<i>Modification Item 1 of 1: Group B (3)</i>	- / -	- / -	- / -	20 / 3.758	- / -	20 / 3.758	76 / 14.256	62 / 12.994	- / -	- / -	- / -	158 / 31.008	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	20 / 3.758	- / -	20 / 3.758	76 / 14.256	62 / 12.994	- / -	- / -	- / -	158 / 31.008	
Total													
Total Cost (Procurement + Support + Installation)	-	17.378	51.140	10.885	0.000	10.885	20.813	60.960	3.937	0.000	-	165.113	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 8804 / F-15 F-15 E/MUOS
---	---	--

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

Modification Item 1 of 1: Group B (3)

Manufacturer Information

Manufacturer Name: Rockwell Collins	Manufacturer Location: Cedar Rapids, IA
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 17

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Mar 2022	Mar 2023	Apr 2024	Mar 2025			
Delivery Dates	Aug 2023	Aug 2024	Sep 2025	Aug 2026			

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	20 / 3.758	- / -	20 / 3.758	- / -	- / -	- / -	- / -	- / -	20 / 3.758
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	76 / 14.256	19 / 4.504	- / -	- / -	- / -	95 / 18.760
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 4.540	- / -	- / -	- / -	23 / 4.540
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 3.950	- / -	- / -	- / -	20 / 3.950
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	20 / 3.758	- / -	20 / 3.758	76 / 14.256	62 / 12.994	- / -	- / -	- / -	158 / 31.008

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	0	5	5	10	16	19	19	22	25	15	12	10	-	-	-	-	-	-	-	-	0	158
Out	0	-	-	-	-	-	-	-	-	0	0	5	5	10	16	19	19	22	25	15	12	10	-	-	-	-	-	-	-	0	158

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207133F, 0207445F, 0809731F	Other Related Program Elements: 0207133F, 0207445F, 0207701F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	1,662.058	599.320	741.334	297.342	-	297.342	334.863	807.886	580.217	353.511	1,186.819	6,563.350
Less PY Advance Procurement <i>(\$ in Millions)</i>	0.000	-	-	-	-	-	-	-	-	-	0.000	0.000
Net Procurement (P-1) <i>(\$ in Millions)</i>	1,662.058	599.320	741.334	297.342	-	297.342	334.863	807.886	580.217	353.511	1,186.819	6,563.350
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	1,662.058	599.320	741.334	297.342	-	297.342	334.863	807.886	580.217	353.511	1,186.819	6,563.350

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

Initial Spares <i>(\$ in Millions)</i>	-	8.019	6.949	6.963	-	6.963	6.973	7.116	-	-	-	36.020
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The F-16 is a multi-role fighter capable of employing a wide variety of nuclear and conventional weapons and missiles in both the air-to-surface and air-to-air mission areas. Currently, force structure plan will have 812 aircraft in the F-16 fleet, consisting of 611 Post-Block (40/42/50/52) and 201 Pre-Block (30/32) by the end of FY24. The Post-Block aircraft have a service life of 8,000 Equivalent Flight Hours (EFH) and the Pre-Block have a service life of 10,800 EFH. The average age of the fleet is 29.7 years. The F-16 provides the capacity called for in the National Defense Strategy (NDS) by supplying the USAF 41% of its fighter fleet at the highest readiness rates and lowest operating costs of any US fighter. The F-16 programs listed below also support the NDS's call to strengthen alliances by being the DoD's largest Foreign Military Sales (FMS) program servicing over 28 countries and growing. The funding described in this document directly maps to the NDS as it provides upgrades to the F-16 platform enabling the delivery of joint lethality in contested environments in the coming decades. These specific modifications budgeted and programmed are below.

The F-16 Maintenance Training Device (MTD) simulators enable the USAF to exercise and train using the latest available F-16 Fighting Falcon capabilities available to all block configurations, while reducing the overall cost of training Armed Forces in support of the warfighter mission. Funding for AETC-MTD Trainers mod is budgeted in PE 0809731F. Funding for all other F-16 mods in this exhibit is budgeted in PE 0207133F.

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.

The BY funding request was reduced by \$75.921 million to account for the availability of prior year execution balances.

The fielding of the 72 AESA radars on ANG F-16s under the JEON Phase completed in Mar 2022. Follow-on fielding and integration will meet full Capabilities Development Document (CDD) radar functionality on ACC, ANG, and AFRC tails.

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

Digital Radar Warning Receiver (DRWR) sub-program Integrated Viper Electronic Warfare Suite (IVEWS) previously justified in the DRWR P-3A Mod 704050 budget request (as Next Gen EW Suite Program) has been renamed and separated into IVEWS P-3A Mod 633035.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft		P-1 Line Item Number / Title: F01600 / F-16
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207133F, 0207445F, 0809731F	Other Related Program Elements: 0207133F, 0207445F, 0207701F

Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	450.321	540.089	225.666	0.000	225.666	233.484	676.982	483.871	249.743
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	147.310	187.459	66.311	-	66.311	101.379	124.020	96.346	103.768
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.689	13.786	5.365	-	5.365	-	6.884	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	599.320	741.334	297.342	0.000	297.342	334.863	807.886	580.217	353.511

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date: March 2023**

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

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

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0207133F, 0207445F, 0809731F **Other Related Program Elements:** 0207133F, 0207445F, 0207701F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	633030 / Aggressors Update (Capability Improvement)				- / 11.539	- / 0.000	- / -	- / -	- / 0.000	- / 0.000
P-40a***	633031 / HFLCC AGCAS (Capability Improvement)				- / 61.948	- / 24.375	- / 28.889	- / -	- / -	- / -
P-40a***	633033 / M-Code (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a***	633035 / IVEWS (Capability Improvement)				- / -	- / -	- / 89.751	- / -	- / -	- / -
P-40a***	633036 / CDU (Capability Improvement)				- / -	- / -	- / 10.319	- / -	- / -	- / -
P-40a***	633037 / 633037 - HMIT (Capability Improvement)				- / -	- / -	- / 0.160	- / -	- / -	- / -
P-40a***	633038 / RFC (Capability Improvement)				- / -	- / -	- / 0.415	- / -	- / -	- / -
P-40a***	633039 / Heads-Up Display (HUD) (Capability Improvement)				- / -	- / 20.000	- / 40.000	- / -	- / -	- / -
P-40a***	633041 / Anti Jam (Capability Improvement)				- / 5.000	- / -	- / -	- / -	- / -	- / -
P-40a***	633042 / Missile Warning Systems (Capability Improvement)				- / 12.000	- / -	- / -	- / -	- / -	- / -
P-40a***	661652 / Link 16 Crypto (Capability Improvement)				- / 0.139	- / -	- / -	- / -	- / -	- / -
P-40a***	661653 / MIDS-JTRS (Capability Improvement)				- / 268.506	- / -	- / 9.779	- / -	- / -	- / -
P-40a***	694050 / AESA Radars (Capability Improvement)				- / 765.524	- / 379.856	- / 339.141	- / 0.166	- / -	- / 0.166
P-40a***	704050 / Digital Radar Warning Receiver (RWR) (Capability Improvement)				- / 16.187	- / -	- / -	- / -	- / -	- / -
P-40a***	8662 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Capability Improvement)				- / 118.190	- / 0.840	- / 1.204	- / 5.916	- / -	- / 5.916
P-40a***	866250 / F-16 TRAINING SYSTEMS (Capability Improvement)				- / 63.740	- / 7.492	- / 1.089	- / -	- / -	- / -
P-40a***	866251 / Full Combat Mission Training (Capability Improvement)				- / 3.128	- / -	- / -	- / -	- / -	- / -
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 12.577	- / 0.146	- / 0.151	- / 0.258	- / -	- / 0.258
P-3a	602148 / MMC and Display Generator Upgrade (Capability Improvement)		B		- / 24.361	- / 25.589	- / 39.255	- / 43.444	- / 0.000	- / 43.444
P-3a	602600 / F-16 LEGACY STRUCTURAL SLEP (Service Life Extension)		A		- / 197.260	- / 83.447	- / 94.524	- / 133.904	- / 0.000	- / 133.904
P-3a	618250 / Comm Suite Upgrade (Capability Improvement)		A		- / 101.686	- / 57.575	- / 61.647	- / 64.937	- / 0.000	- / 64.937
P-3a	633032 / AIFF MODE 5 (Capability Improvement)		B		- / 0.273	- / 0.000	- / 3.000	- / 5.250	- / 0.000	- / 5.250
P-3a	633034 / Secure Mission Data Systems (Capability Improvement)		B		- / -	- / -	- / 22.010	- / 43.467	- / 0.000	- / 43.467
P-40	Total Gross/Weapon System Cost				- / 1,662.058	- / 599.320	- / 741.334	- / 297.342	- / -	- / 297.342

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	633030 / Aggressors Update (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 11.539
P-40a***	633031 / HFLCC AGCAS (Capability Improvement)				- / -	- / 20.772	- / -	- / -	- / -	- / 135.984
P-40a***	633033 / M-Code (Capability Improvement)				- / -	- / 137.193	- / 223.907	- / 105.032	- / 22.225	- / 488.357

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0207133F, 0207445F, 0809731F **Other Related Program Elements:** 0207133F, 0207445F, 0207701F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	633035 / IVEWS (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 89.751
P-40a***	633036 / CDU (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 10.319
P-40a***	633037 / 633037 - HMIT (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 0.160
P-40a***	633038 / RFC (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 0.415
P-40a***	633039 / Heads-Up Display (HUD) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 60.000
P-40a***	633041 / Anti Jam (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 5.000
P-40a***	633042 / Missile Warning Systems (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 12.000
P-40a***	661652 / Link 16 Crypto (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 0.139
P-40a***	661653 / MIDS-JTRS (Capability Improvement)				- / -	- / 33.648	- / -	- / -	- / -	- / 311.933
P-40a***	694050 / AESA Radars (Capability Improvement)				- / 58.416	- / -	- / -	- / -	- / -	- / 1,543.103
P-40a***	704050 / Digital Radar Warning Receiver (RWR) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 16.187
P-40a***	8662 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Capability Improvement)				- / 6.051	- / 6.158	- / 6.299	- / 10.505	- / -	- / 155.163
P-40a***	866250 / F-16 TRAINING SYSTEMS (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 72.321
P-40a***	866251 / Full Combat Mission Training (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 3.128
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 13.132
P-3a	602148 / MMC and Display Generator Upgrade (Capability Improvement)		B		- / 30.618	- / 41.855	- / 4.758	- / 0.000	- / 0.000	- / 209.880
P-3a	602600 / F-16 LEGACY STRUCTURAL SLEP (Service Life Extension)		A		- / 132.241	- / 80.680	- / 97.975	- / 160.225	- / 874.495	- / 1,854.751
P-3a	618250 / Comm Suite Upgrade (Capability Improvement)		A		- / 66.042	- / 389.828	- / 209.178	- / 62.146	- / 290.099	- / 1,303.138
P-3a	633032 / AIFF MODE 5 (Capability Improvement)		B		- / 0.000	- / 58.050	- / -	- / -	- / -	- / 66.573
P-3a	633034 / Secure Mission Data Systems (Capability Improvement)		B		- / 41.495	- / 39.702	- / 38.100	- / 15.603	- / -	- / 200.377
P-40	Total Gross/Weapon System Cost				- / 334.863	- / 807.886	- / 580.217	- / 353.511	- / 1,186.819	- / 6,563.350

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

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

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

Justification:

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

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 602148 / MMC and Display Generator Upgrade

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	24.361	25.589	39.255	43.444	0.000	43.444	30.618	41.855	4.758	0.000	0.000	209.880
Less PY Advance Procurement (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	-	-	-	0.000
Net Procurement (P-1) (<i>\$ in Millions</i>)	24.361	25.589	39.255	43.444	0.000	43.444	30.618	41.855	4.758	0.000	0.000	209.880
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	24.361	25.589	39.255	43.444	0.000	43.444	30.618	41.855	4.758	0.000	0.000	209.880

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

Initial Spares (<i>\$ in Millions</i>)	2.816	7.799	6.725	6.847	-	6.847	6.973	7.116	-	-	-	38.276
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification upgrades the current F-16 core mission computer to include increased high-speed data throughput, additional memory, and adds an Ethernet High Speed Data Network (HSDN) installed to realize the full capabilities provided by the Active Electronically Scanned Array (AESA) radar program. This modification also incorporates the installation of remote interface panels (RIP), which allows for the transfer of mission planning loaded data. The upgraded mission computer is required because the current 1553 mux data transfer path is nearing its throughput capacity. The new Program Display Generator (PDG) allows for a fully integrated Multi-Function Display Set (MFDS) solution including Hands-on Throttle and Stick (HOTAS) integration with Sensor of Interest (SOI), format swapping and high definition video on 4x4 displays. The new PDG also provides improved display formats during dynamic maneuvers; resolves symbol freezing issues due to throughput constraints; and provides a sustainable approach to address growing DMS concerns with the current PDG.

This funding request will support potential DMS and obsolescence solutions, to include, if optimal, life of type buys, or bridge buys limited to the program of record quantity.

The quantity for the program includes up to 608 buys for MMC and up to 608 buys for PDG. This modification supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

Milestone/Development Status

MMC will continue software & SIL testing, cyber security assurance and validation for initial hardware fielding. Milestone C scheduled for July 23. DT Actual Aug 2020 and OT Aug 2022, IOT&E N/A. For PDG, continue software testing and validation for initial hardware fielding, complete two TVIs and one kit-proof. Milestone C is scheduled for May 2024, DT April 2023, OT Jan 2024, and IOT&E April 2024.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	21.626	35.229	36.666	-	36.666	22.280	41.855	4.758	0.000
AFNG									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	3.963	4.026	6.778	-	6.778	8.338	-	-	-
Total:									
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 602148 / MMC and Display Generator Upgrade

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	25.589	39.255	43.444	0.000	43.444	30.618	41.855	4.758	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01600 / F-16				Modification Number / Title: 602148 / MMC and Display Generator Upgrade				
ID Code (A=Service Ready, B=Not Service Ready) : B						MDAP/MAIS Code:						
Models of Systems Affected: F-16				Modification Type: Capability Improvement				Related RDT&E PEs: 0207133F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
0207133F	63 / 110.307	- / 6.590	- / 1.274	- / 0.984	- / -	- / 0.984	- / -	- / -	- / -	- / -	- / -	63 / 119.155
Procurement												
Modification Item 1 of 2: MMC Kit												
A Kits												
Recurring												
MMC Kit:INSTALL KITS Group A (Active)	75 / 0.038	94 / 0.047	292 / 0.146	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	461 / 0.231
MMC Kit:INSTALL KITS Group A (Guard)	25 / 0.013	31 / 0.015	91 / 0.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	147 / 0.074
Subtotal: Recurring	- / 0.051	- / 0.062	- / 0.192	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.305
B Kits												
Recurring												
MMC Kit:EQUIPMENT Group B (Active)	11 / 1.034	131 / 12.314	118 / 11.092	118 / 11.902	- / -	118 / 11.902	83 / 7.802	- / -	- / -	- / -	- / -	461 / 44.144
MMC Kit:EQUIPMENT Group B (Guard)	2 / 0.188	42 / 3.948	38 / 3.572	38 / 3.572	- / -	38 / 3.572	27 / 2.538	- / -	- / -	- / -	- / -	147 / 13.818
Subtotal: Recurring	- / 1.222	- / 16.262	- / 14.664	- / 15.474	- / -	- / 15.474	- / 10.340	- / -	- / -	- / -	- / -	- / 57.962
Subtotal: MMC Kit	- / 1.273	- / 16.324	- / 14.856	- / 15.474	- / -	- / 15.474	- / 10.340	- / -	- / -	- / -	- / -	- / 58.267
Modification Item 2 of 2: PDG Kit												
A Kits												
Recurring												
PDG Kit:INSTALL KITS Group A (Active)	125 / 0.750	156 / 0.936	88 / 0.528	14 / 0.084	- / -	14 / 0.084	78 / 0.480	- / -	- / -	- / -	- / -	461 / 2.778
PDG Kit:INSTALL KITS Group A (Guard)	- / -	- / -	68 / 0.408	79 / 0.480	- / -	79 / 0.480	- / -	- / -	- / -	- / -	- / -	147 / 0.888
Subtotal: Recurring	- / 0.750	- / 0.936	- / 0.936	- / 0.564	- / -	- / 0.564	- / 0.480	- / -	- / -	- / -	- / -	- / 3.666
B Kits												
Recurring												
PDG Kit:EQUIPMENT Group B (Active)	- / -	75 / 4.350	180 / 10.440	150 / 8.700	- / -	150 / 8.700	56 / 3.248	- / -	- / -	- / -	- / -	461 / 26.738
PDG Kit:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	47 / 2.726	- / -	47 / 2.726	100 / 5.800	- / -	- / -	- / -	- / -	147 / 8.526
Subtotal: Recurring	- / -	- / 4.350	- / 10.440	- / 11.426	- / -	- / 11.426	- / 9.048	- / -	- / -	- / -	- / -	- / 35.264
Subtotal: PDG Kit	- / 0.750	- / 5.286	- / 11.376	- / 11.990	- / -	- / 11.990	- / 9.528	- / -	- / -	- / -	- / -	- / 38.930
Subtotal: Procurement, All Modification Items	- / 2.023	- / 21.610	- / 26.232	- / 27.464	- / -	- / 27.464	- / 19.868	- / -	- / -	- / -	- / -	- / 97.197
Support (All Modification Items)												
GROUP B: TOTAL NONRECURRING	- / 0.700	- / 0.300	- / 2.500	- / 3.000	- / -	- / 3.000	- / 2.000	- / 36.159	- / 0.300	- / 0.000	- / -	- / 44.959
Data	- / -	- / -	- / 0.400	- / 0.500	- / -	- / 0.500	- / 1.100	- / 0.200	- / -	- / -	- / -	- / 2.200

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 602148 / MMC and Display Generator Upgrade

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

Models of Systems Affected: F-16	Modification Type: Capability Improvement	Related RDT&E PEs: 0207133F
---	--	--

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
A&AS	- / -	- / -	- / 0.411	- / 0.500	- / -	- / 0.500	- / 0.500	- / 0.500	- / 0.300	- / -	- / -	- / 2.211
Change Orders	- / 1.800	- / -	- / 0.200	- / 0.100	- / -	- / 0.100	- / -	- / 0.150	- / 0.900	- / -	- / -	- / 3.150
SUPPORT-EQUIP	- / 11.798	- / 0.879	- / 4.201	- / 7.619	- / -	- / 7.619	- / 1.225	- / 1.376	- / 0.788	- / -	- / -	- / 27.886
OTHER GOVT	- / 8.040	- / 2.800	- / 5.311	- / 4.261	- / -	- / 4.261	- / 5.925	- / 3.470	- / 2.470	- / -	- / -	- / 32.277
<i>Subtotal: Support</i>	- / 22.338	- / 3.979	- / 13.023	- / 15.980	- / -	- / 15.980	- / 10.750	- / 41.855	- / 4.758	- / 0.000	- / -	- / 112.683
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	24.361	25.589	39.255	43.444	0.000	43.444	30.618	41.855	4.758	0.000	0.000	209.880

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F01600 / F-16			Modification Number / Title: 602148 / MMC and Display Generator Upgrade	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 2: MMC Kit							
Manufacturer Information							
Manufacturer Name: Raytheon				Manufacturer Location: McKinney, TX			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 11			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Oct 2022	Oct 2023	Oct 2024	Oct 2025	Oct 2026		
Delivery Dates	Sep 2023	Sep 2024	Sep 2025	Sep 2026	Sep 2027		
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 608		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F01600 / F-16			Modification Number / Title: 602148 / MMC and Display Generator Upgrade	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 2 of 2: PDG Kit							
Manufacturer Information							
Manufacturer Name: General Dynamics				Manufacturer Location: Minneapolis, MN			
Administrative Leadtime (<i>in Months</i>): 0				Production Leadtime (<i>in Months</i>): 14			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Jun 2023	Jun 2024	Jun 2025	Jun 2026	Jun 2027	
Delivery Dates		Aug 2024	Aug 2025	Aug 2026	Aug 2027	Aug 2028	
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 608		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 602600 / F-16 LEGACY STRUCTURAL SLEP

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	197.260	83.447	94.524	133.904	0.000	133.904	132.241	80.680	97.975	160.225	874.495	1,854.751
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	197.260	83.447	94.524	133.904	0.000	133.904	132.241	80.680	97.975	160.225	874.495	1,854.751
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	197.260	83.447	94.524	133.904	0.000	133.904	132.241	80.680	97.975	160.225	874.495	1,854.751

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

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

Description:

The goal of this program is to extend the service life of up to all F-16 Block (Blk) 40-52 beyond 8000 Equivalent Flying Hours (EFH) to ensure a continually viable fighter force. F-16 aircraft need modifications and structural enhancements to extend the service life of these fighters. The F-16 Structural Service Life Extension Program (SLEP) is intended to be a depot-level upgrade program to replace, or rework known life limited structure to preclude the onset of widespread fatigue damage, maintain safety of flight and enhance aircraft availability. Life-limiting components were identified during Full Scale Durability Testing (FSDT). Installation of the components were validated during Engineering and Manufacturing Development (EMD). Without modification of life-limited structures, the F-16 will experience continued structural degradation, which will adversely affect future mission capable rates and become increasingly costly to correct. Because of potential variation in modification requirements and installation schedules among aircraft blocks, the quantity and unit cost of kit procurement and hardware installation will differ from year to year, depending on the mix of aircraft involved.

The Air Force's position for the SLEP program is a quantity of 450, however current funding through FY28 will allow for installation of 241 modification kits.

This funding request will support potential DMS and obsolescence solutions, to include, if optimal, life of type buys or bridge buys limited to the program of record quantity.

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

Milestone/Development Status

The FSDT contract was awarded April 28, 2011, while the EMD was awarded Nov 13, 2013. Development efforts ran through 2019, contract is in closeout. The program successfully completed and returned the 4 kit proof aircraft to the field (May 18, Jun 19, Aug 19, and Dec 19). The SLEP modification kits for production aircraft was competitively awarded July 18 and all kits (with the exception of D-model CSL) have completed first article testing (FAT). All 4 LRIP aircraft have been delivered. The full-rate production milestone was approved Jun 2020. OCONUS PACAF depot contract was awarded in early FY21 and work began in 2nd quarter FY21. A Dual Award IDIQ was awarded for USAFE depot contract to support in-theatre USAFE a/c and CONUS overflow a/c April 2022. Work began Jul 2022.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	68.166	79.392	103.705	-	103.705	93.396	59.950	80.352	127.644
AFNG									
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 602600 / F-16 LEGACY STRUCTURAL SLEP

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
	Total Obligation Authority	15.281	15.132	30.199	-	30.199	38.845	20.730	17.623	32.581
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	83.447	94.524	133.904	0.000	133.904	132.241	80.680	97.975	160.225

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 602600 / F-16 LEGACY STRUCTURAL SLEP

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

Models of Systems Affected: F-16	Modification Type: Service Life Extension	Related RDT&E PEs: 0207133F
---	--	--

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1: Legacy SLEP Kit</i>												
A Kits												
Recurring												
Legacy SLEP Kit:INSTALL KITS Group A (Active)	72 / 33.790	33 / 12.858	29 / 10.250	26 / 9.291	- / -	26 / 9.291	26 / 9.415	19 / 6.967	21 / 7.808	24 / 8.923	85 / 32.887	335 / 132.189
Legacy SLEP Kit:INSTALL KITS Group A (Guard)	18 / 11.238	10 / 3.896	12 / 4.242	6 / 2.144	- / -	6 / 2.144	6 / 2.172	9 / 3.300	9 / 3.346	9 / 3.346	32 / 12.390	111 / 46.074
<i>Subtotal: Recurring</i>	- / 45.028	- / 16.754	- / 14.492	- / 11.435	- / -	- / 11.435	- / 11.587	- / 10.267	- / 11.154	- / 12.269	- / 45.277	- / 178.263
<i>Subtotal: Legacy SLEP Kit</i>	- / 45.028	- / 16.754	- / 14.492	- / 11.435	- / -	- / 11.435	- / 11.587	- / 10.267	- / 11.154	- / 12.269	- / 45.277	- / 178.263
<i>Subtotal: Procurement, All Modification Items</i>	- / 45.028	- / 16.754	- / 14.492	- / 11.435	- / -	- / 11.435	- / 11.587	- / 10.267	- / 11.154	- / 12.269	- / 45.277	- / 178.263
Support (All Modification Items)												
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
A&AS	- / 1.853	- / 0.494	- / 0.509	- / 0.524	- / -	- / 0.524	- / 0.540	- / 0.556	- / 0.573	- / 0.590	- / 3.227	- / 8.866
Change Orders	- / 5.831	- / 1.725	- / 0.028	- / 0.031	- / -	- / 0.031	- / 0.034	- / 0.036	- / 0.037	- / 0.037	- / 0.195	- / 17.954
Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000
SUPPORT-EQUIP	- / 15.259	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.259
OTHER GOVT	- / 56.807	- / 0.324	- / 0.499	- / 0.342	- / -	- / 0.342	- / 0.062	- / 0.102	- / 0.549	- / 1.155	- / 6.500	- / 66.340
<i>Subtotal: Support</i>	- / 79.750	- / 2.543	- / 1.036	- / 0.897	- / -	- / 0.897	- / 0.636	- / 0.694	- / 1.159	- / 1.782	- / 9.922	- / 98.419
Installation												
<i>Modification Item 1 of 1: Legacy SLEP Kit</i>	25 / 72.482	24 / 64.150	29 / 78.996	39 / 121.572	- / -	39 / 121.572	36 / 120.018	20 / 69.719	24 / 85.662	40 / 146.174	209 / 819.296	446 / 1,578.069
<i>Subtotal: Installation</i>	25 / 72.482	24 / 64.150	29 / 78.996	39 / 121.572	- / -	39 / 121.572	36 / 120.018	20 / 69.719	24 / 85.662	40 / 146.174	209 / 819.296	446 / 1,578.069
Total												
Total Cost (Procurement + Support + Installation)	197.260	83.447	94.524	133.904	0.000	133.904	132.241	80.680	97.975	160.225	874.495	1,854.751

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 602600 / F-16 LEGACY STRUCTURAL SLEP

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

Modification Item 1 of 1: Legacy SLEP Kit

Manufacturer Information

Manufacturer Name: Multiple	Manufacturer Location: Fort Worth, TX
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Apr 2022	Apr 2023	Apr 2024	Apr 2025	Apr 2026	Apr 2027	Apr 2028
Delivery Dates	Apr 2023	Apr 2024	Apr 2025	Apr 2026	Apr 2027	Apr 2028	Apr 2029

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	25 / 72.482	24 / 64.150	29 / 78.996	12 / 37.407	- / -	12 / 37.407	- / -	- / -	- / -	- / -	- / -	90 / 253.035
FY 2022	- / -	- / -	- / -	27 / 84.165	- / -	27 / 84.165	16 / 53.342	- / -	- / -	- / -	- / -	43 / 137.507
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	20 / 66.676	20 / 69.719	1 / 3.569	- / -	- / -	41 / 139.964
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 82.093	9 / 32.889	- / -	32 / 114.982
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 113.285	1 / 3.742	32 / 117.027
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 104.942	28 / 104.942
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 114.218	30 / 114.218
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 127.675	33 / 127.675
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	117 / 468.719	117 / 468.719
Total	25 / 72.482	24 / 64.150	29 / 78.996	39 / 121.572	- / -	39 / 121.572	36 / 120.018	20 / 69.719	24 / 85.662	40 / 146.174	209 / 819.296	446 / 1,578.069

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	25	6	6	6	6	8	7	7	7	10	10	10	9	9	9	9	9	5	5	5	5	6	6	6	6	10	10	10	10	209	446
Out	7	4	4	5	5	6	6	6	6	8	7	7	7	10	10	10	9	9	9	9	9	5	5	5	5	6	6	6	6	249	446

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 618250 / Comm Suite Upgrade

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	101.686	57.575	61.647	64.937	0.000	64.937	66.042	389.828	209.178	62.146	290.099	1,303.138
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	101.686	57.575	61.647	64.937	0.000	64.937	66.042	389.828	209.178	62.146	290.099	1,303.138
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	101.686	57.575	61.647	64.937	0.000	64.937	66.042	389.828	209.178	62.146	290.099	1,303.138

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

Initial Spares (\$ in Millions)	8.882	-	-	-	-	-	-	-	-	-	-	8.882
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Chairman, Joint Chiefs of Staff directed a modernization effort based on the recommendation of the National Security Agency (NSA) to modernize equipment and provide enhanced security for tactical networks (Cryptographic Modernization (CM)). The F-16 Comm Suite Upgrade addresses these mandates by including CM, Mobile User Objective System (MUOS), second generation Anti-Jam Tactical UHF Radio for NATO (SATURN), a Cockpit Communication Control Panel (C3PO) and a Digital Comm Matrix (DCM).

The Communication Suite Upgrade provides next generation crypto modernization for MUOS tactical networks that enables increased interoperable communications and more secure command and control. Delaying procurement of the ARC-210 Gen 6 radios, ancillaries, and other CSU hardware degrades secure communications and will not meet NSA mandates. Also, rebuilding military readiness and a more lethal force; impacts ability to field sufficient, capable forces to defeat enemies and achieve sustainable outcomes that protect the American people and our vital interests.

This funding request will support potential DMS and obsolescence solutions, to include, if optimal, life of type buys, or bridge buys limited to the program of record quantity. This funding request also supports flight testing and technical data updates, as required.

Milestone/Development Status

Completed Milestone C in Dec 20.
 Pre-Blk TVI #1 Completed Jul 2019
 Pre-Blk TVI #2 Completed Jul 2020
 Pre-Blk TVI Kit Proof Completed Dec 2021
 Post-Blk 50C TVI #1 Completed Jun 22
 Post-Blk 52C TVI #2 Starts Feb 23
 Post-Blk 50C/52C TVI Kit Proof Starts Nov 23
 Post-Blk 40C TVI #1 Starts Mar 23
 Post-Blk 42C TVI #2 Starts Aug 23
 Post-Blk 40C/42C TVI Kit Proof Starts Oct 24

Pre-Blk Fielding to begin Mar 23.
 Post- Blk Fielding to begin Jan 25

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F01600 / F-16				Modification Number / Title: 618250 / Comm Suite Upgrade			
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:					
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	47.195	33.215	40.690	-	40.690	48.557	365.716	173.052	30.174
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.691	21.180	18.882	-	18.882	17.485	24.112	36.126	31.972
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.689	7.252	5.365	-	5.365	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	57.575	61.647	64.937	0.000	64.937	66.042	389.828	209.178	62.146

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01600 / F-16					Modification Number / Title: 618250 / Comm Suite Upgrade			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: F-16				Modification Type: Capability Improvement				Related RDT&E PEs: 0207133F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207133F	2 / 13.041	- / 1.804	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 14.845	
Procurement													
Modification Item 1 of 1: Comm Suite MUOS													
A Kits													
Recurring													
Comm Suite MUOS:INSTALL KITS Group A (Active)	1 / 0.880	2 / 0.014	7 / 0.035	48 / 0.246	- / -	48 / 0.246	40 / 0.142	123 / 0.320	30 / 0.139	20 / 0.340	196 / 0.980	467 / 3.096	
Comm Suite MUOS:INSTALL KITS Group A (Guard)	- / -	36 / 0.244	39 / 0.194	15 / 0.770	- / -	15 / 0.770	20 / 0.071	26 / 0.067	41 / 0.190	- / -	40 / 0.200	217 / 1.736	
Comm Suite MUOS:INSTALL KITS Group A (Reserve)	- / -	7 / 0.047	17 / 0.847	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.894	
Subtotal: Recurring	- / 0.880	- / 0.305	- / 1.076	- / 1.016	- / -	- / 1.016	- / 0.213	- / 0.387	- / 0.329	- / 0.340	- / 1.180	- / 5.726	
B Kits													
Recurring													
Comm Suite MUOS:EQUIPMENT Group B (Active)	1 / 0.218	2 / 0.709	7 / 2.685	48 / 18.767	- / -	48 / 18.767	40 / 16.174	123 / 51.979	30 / 34.898	20 / 6.179	196 / 79.184	467 / 210.793	
Comm Suite MUOS:EQUIPMENT Group B (Guard)	- / -	36 / 8.447	39 / 9.626	15 / 5.805	- / -	15 / 5.805	20 / 8.087	26 / 10.987	41 / 18.112	- / -	40 / 16.160	217 / 77.224	
Comm Suite MUOS:EQUIPMENT Group B (Reserve)	- / -	7 / 1.642	17 / 4.196	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 5.838	
Subtotal: Recurring	- / 0.218	- / 10.798	- / 16.507	- / 24.572	- / -	- / 24.572	- / 24.261	- / 62.966	- / 53.010	- / 6.179	- / 95.344	- / 293.855	
Subtotal: Comm Suite MUOS	- / 1.098	- / 11.103	- / 17.583	- / 25.588	- / -	- / 25.588	- / 24.474	- / 63.353	- / 53.339	- / 6.519	- / 96.524	- / 299.581	
Subtotal: Procurement, All Modification Items	- / 1.098	- / 11.103	- / 17.583	- / 25.588	- / -	- / 25.588	- / 24.474	- / 63.353	- / 53.339	- / 6.519	- / 96.524	- / 299.581	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 43.224	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 43.224	
GROUP A: TOTAL NONRECURRING	- / -	- / 21.469	- / 23.693	- / 17.724	- / -	- / 17.724	- / 10.358	- / 280.759	- / 44.070	- / 0.800	- / -	- / 378.873	
A&AS	- / 2.588	- / 1.559	- / 0.800	- / 2.000	- / -	- / 2.000	- / 0.700	- / 1.500	- / 1.000	- / 0.732	- / 1.000	- / 11.879	
Data	- / 3.000	- / 6.448	- / 2.000	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / 13.448	
Change Orders	- / 2.686	- / 14.500	- / 0.500	- / 11.500	- / -	- / 11.500	- / -	- / 10.337	- / 2.060	- / -	- / 0.479	- / 12.062	
OTHER GOVT	- / 26.187	- / 6.407	- / 12.021	- / 11.724	- / -	- / 11.724	- / 1.002	- / 2.737	- / 4.556	- / 0.257	- / -	- / 44.891	
SUPPORT-EQUIP	- / 22.903	- / 15.525	- / 10.353	- / 12.584	- / -	- / 12.584	- / 10.334	- / 2.008	- / 2.007	- / 0.272	- / -	- / 35.986	
Subtotal: Support	- / 100.588	- / 45.908	- / 29.367	- / 17.532	- / -	- / 17.532	- / 23.394	- / 287.341	- / 53.693	- / 2.061	- / 1.479	- / 540.363	
Installation													
Modification Item 1 of 1: Comm Suite MUOS	- / -	1 / 0.564	45 / 14.697	63 / 21.817	- / -	63 / 21.817	63 / 39.174	60 / 39.134	149 / 102.146	71 / 53.566	256 / 192.096	708 / 463.194	
Subtotal: Installation	- / -	1 / 0.564	45 / 14.697	63 / 21.817	- / -	63 / 21.817	63 / 39.174	60 / 39.134	149 / 102.146	71 / 53.566	256 / 192.096	708 / 463.194	
Total													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01600 / F-16						Modification Number / Title: 618250 / Comm Suite Upgrade			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: F-16				Modification Type: Capability Improvement				Related RDT&E PEs: 0207133F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Total Cost (Procurement + Support + Installation)	101.686	57.575	61.647	64.937	0.000	64.937	66.042	389.828	209.178	62.146	290.099	1,303.138	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 618250 / Comm Suite Upgrade
---	---	--

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

Modification Item 1 of 1: Comm Suite MUOS

Manufacturer Information

Manufacturer Name: Collins	Manufacturer Location: Cedar Rapids IA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Mar 2022	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	Mar 2028
Delivery Dates	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	Mar 2028	Mar 2029

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	1 / 0.564	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.564
FY 2022	- / -	- / -	45 / 14.697	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 14.697
FY 2023	- / -	- / -	- / -	63 / 21.817	- / -	63 / 21.817	- / -	- / -	- / -	- / -	- / -	63 / 21.817
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	63 / 39.174	- / -	- / -	- / -	- / -	63 / 39.174
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 39.134	- / -	- / -	- / -	60 / 39.134
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	149 / 102.146	- / -	- / -	149 / 102.146
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	71 / 53.566	- / -	71 / 53.566
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 15.116	20 / 15.116
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	236 / 176.980	236 / 176.980
Total	- / -	1 / 0.564	45 / 14.697	63 / 21.817	- / -	63 / 21.817	63 / 39.174	60 / 39.134	149 / 102.146	71 / 53.566	256 / 192.096	708 / 463.194

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	1	11	11	11	12	15	16	16	16	15	16	16	16	15	15	15	15	37	37	37	38	17	17	19	18	256	708
Out	0	-	-	-	-	1	11	11	11	12	15	16	16	16	15	16	16	16	15	15	15	15	37	37	37	38	17	17	19	274	708

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 633032 / AIFF MODE 5

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.273	0.000	3.000	5.250	0.000	5.250	0.000	58.050	-	-	-	66.573
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.273	0.000	3.000	5.250	0.000	5.250	0.000	58.050	-	-	-	66.573
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.273	0.000	3.000	5.250	0.000	5.250	0.000	58.050	-	-	-	66.573

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

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

Description:

Advanced Identification Friend or Foe (AIFF)/Mode 5 provides hardware and software/firmware update required to comply with DoD mandate for AIFF Mode 5. Transponder upgrade program replaces/upgrades existing hardware with an AIFF Mode 5 capable system.

AIFF Mode 5 provides positive identification for Air Traffic Control reporting, combat targeting, and fratricide prevention.

This program maps to the NDS by providing more secure command and control, which enable increased interoperable communications across the joint force. This critical communications capability generates a more lethal force to defeat enemies and achieve sustainable outcomes that protect the American people and vital US interests.

This funding request will support potential diminishing manufacturing sources (DMS) and obsolescence solutions, to include, if optimal, life of type buys, or bridge buys limited to the program of record quantity. This funding request also supports flight testing and technical data updates, as required. Additionally, this funding will utilize existing hardware/software/firmware from the developed APX-125/APX-126 and re-host or integrate into the APX-127(V)1.

Currently in developmental phase of DMS update.

AIFF Mode 5 includes 36 Pre-Blk C & D models and 115 Post-Blk 40 C models, for up to 151 total aircraft. Current funds will install Mode 5 on 18 aircraft

Milestone/Development Status

Contract award - Mar 2020
 System Readiness Review (SRR) - Jul 2020;
 Preliminary Design Review (PDR) - Jun 2021;
 Critical Design Review (CDR) - Jan 2022;
 Developmental Test & Evaluation (DTE) - Feb 2023;
 Technical Readiness Review (TRR) - Mar 2023;
 Production Readiness Review (PRR) - Aug 2023; TDP - Sep 2023
 Initial Operational Test & Evaluation (IOT&E) - Oct 2023;
 Operational Test & Evaluation (OT&E) - Nov 2023

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 633032 / AIFF MODE 5
---	---	---

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

	Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	3.000	5.250	-	5.250	-	32.655	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	18.511	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	6.884	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.000	3.000	5.250	0.000	5.250	0.000	58.050	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01600 / F-16					Modification Number / Title: 633032 / AIFF MODE 5			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-16				Modification Type: Capability Improvement				Related RDT&E PEs: 0207133F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207133F	- / 15.498	- / -	- / 16.354	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 31.852	
Procurement													
Modification Item 1 of 1: SCU 10 and APX-127(V)1													
A Kits													
Recurring													
SCU 10 and APX-127(V)1:INSTALL KITS Group A (Active)	- / -	- / -	1 / 2.340	2 / 4.675	- / -	2 / 4.675	- / -	9 / 24.060	- / -	- / -	- / -	12 / 31.075	
SCU 10 and APX-127(V)1:INSTALL KITS Group A (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 17.259	- / -	- / -	- / -	5 / 17.259	
SCU 10 and APX-127(V)1:INSTALL KITS Group A (Reserve)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 6.669	- / -	- / -	- / -	1 / 6.669	
Subtotal: Recurring	- / -	- / -	- / 2.340	- / 4.675	- / -	- / 4.675	- / -	- / 47.988	- / -	- / -	- / -	- / 55.003	
Subtotal: SCU 10 and APX-127(V)1	- / -	- / -	- / 2.340	- / 4.675	- / -	- / 4.675	- / -	- / 47.988	- / -	- / -	- / -	- / 55.003	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / 2.340	- / 4.675	- / -	- / 4.675	- / -	- / 47.988	- / -	- / -	- / -	- / 55.003	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / 0.273	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.708	- / -	- / -	- / -	- / 0.981	
SUPPORT-EQUIP	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.000	- / -	- / -	- / -	- / 5.000	
OTHER GOVT	- / -	- / -	- / 0.445	- / 0.145	- / -	- / 0.145	- / -	- / 0.952	- / -	- / -	- / -	- / 1.542	
Subtotal: Support	- / 0.273	- / -	- / 0.445	- / 0.145	- / -	- / 0.145	- / -	- / 6.660	- / -	- / -	- / -	- / 7.523	
Installation													
Modification Item 1 of 1: SCU 10 and APX-127(V)1	- / -	- / -	1 / 0.215	2 / 0.430	- / -	2 / 0.430	- / -	15 / 3.402	- / -	- / -	- / -	18 / 4.047	
Subtotal: Installation	- / -	- / -	1 / 0.215	2 / 0.430	- / -	2 / 0.430	- / -	15 / 3.402	- / -	- / -	- / -	18 / 4.047	
Total													
Total Cost (Procurement + Support + Installation)	0.273	0.000	3.000	5.250	0.000	5.250	0.000	58.050	-	-	-	66.573	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 633032 / AIFF MODE 5
---	---	---

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

Modification Item 1 of 1: SCU 10 and APX-127(V)1

Manufacturer Information

Manufacturer Name: BAE	Manufacturer Location: NewYork
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 11

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Oct 2022	Oct 2023		Oct 2025		
Delivery Dates		Sep 2023	Sep 2024		Sep 2026		

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	1 / 0.215	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.215
FY 2024	- / -	- / -	- / -	2 / 0.430	- / -	2 / 0.430	- / -	- / -	- / -	- / -	- / -	2 / 0.430
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 3.402	- / -	- / -	- / -	15 / 3.402
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 0.215	2 / 0.430	- / -	2 / 0.430	- / -	15 / 3.402	- / -	- / -	- / -	18 / 4.047

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	4	4	4	3	-	-	-	-	-	-	-	-	0	18
Out	0	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	4	4	4	3	-	-	-	-	-	-	-	-	0	18

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 633034 / Secure Mission Data Systems

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	22.010	43.467	0.000	43.467	41.495	39.702	38.100	15.603	-	200.377
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	22.010	43.467	0.000	43.467	41.495	39.702	38.100	15.603	-	200.377
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	22.010	43.467	0.000	43.467	41.495	39.702	38.100	15.603	-	200.377

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

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

Description:

The Secure Mission Data System (SMDS) program will replace the existing Advanced Data Transfer Equipment (ADTE) and Digital Video Recorder (DVR) with one device. AGCAS will also be re-hosted in the SMDS box. The current ADTE and DVR are using Diminishing Manufacturing Sources (DMS) memory which have hindered sustainment and supportability, current data recorder and data transfer devices are not compliant with intent of National Institute of Science and Technology (NIST) 800-53 R4. Additionally, legacy devices have insufficient memory, processing power, and interfaces (Ethernet) to support ever increasing mission requirements. Already identified requirements for Ethernet mission data transfer and Network File System (NFS), are not supported by legacy equipment. SMDS meets current standards and requirements for data handling and management of increasingly strict cyber security, anti-tamper, digital signature, and crypto guidance on a weapon system. Program includes buy/install of SMDS LRU, Ground Encryption Device (GED), and Removable Storage Devices (RSDs). Program includes Digital Stand-by Attitude Indicator (SAI) that aids pilot in recovery of the aircraft in the event of an EGI failure. The SMDS program quantity is 608 but current funding only allows the purchase and install of 582.

Milestone/Development Status

Development is complete. Integration only.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	18.835	33.015	-	33.015	30.476	29.033	27.228
AFNG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	3.175	10.452	-	10.452	11.019	10.669	10.872
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	22.010	43.467	0.000	43.467	41.495	39.702	38.100

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01600 / F-16					Modification Number / Title: 633034 / Secure Mission Data Systems			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-16				Modification Type: Capability Improvement				Related RDT&E PEs: 0207133F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 2: COMMON: SMDS: Equipment</i>													
B Kits													
Recurring													
COMMON: SMDS: Equipment:EQUIPMENT Group B (Active)	- / -	- / -	84 / 5.586	91 / 6.196	- / -	91 / 6.196	84 / 5.856	84 / 5.995	83 / 6.037	- / -	- / -	426 / 29.670	
COMMON: SMDS: Equipment:EQUIPMENT Group B (Guard)	- / -	- / -	36 / 2.394	39 / 2.655	- / -	39 / 2.655	36 / 2.510	36 / 2.570	9 / 2.587	- / -	- / -	156 / 12.716	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 7.980	- / 8.851	- / -	- / 8.851	- / 8.366	- / 8.565	- / 8.624	- / -	- / -	- / 42.386	
<i>Subtotal: COMMON: SMDS: Equipment</i>	- / -	- / -	- / 7.980	- / 8.851	- / -	- / 8.851	- / 8.366	- / 8.565	- / 8.624	- / -	- / -	- / 42.386	
<i>Modification Item 2 of 2: Install Kits Group A (2)</i>													
A Kits													
Recurring													
Install Kits Group A:INSTALL KITS Group A (Active)	- / -	- / -	84 / 1.824	91 / 2.023	- / -	91 / 2.023	84 / 1.912	84 / 1.958	83 / 1.971	- / -	- / -	426 / 9.688	
Install Kits Group A:INSTALL KITS Group A (Guard)	- / -	- / -	36 / 0.781	39 / 0.867	- / -	39 / 0.867	36 / 0.819	36 / 0.839	9 / 0.845	- / -	- / -	156 / 4.151	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 2.605	- / 2.890	- / -	- / 2.890	- / 2.731	- / 2.797	- / 2.816	- / -	- / -	- / 13.839	
<i>Subtotal: Install Kits Group A (2)</i>	- / -	- / -	- / 2.605	- / 2.890	- / -	- / 2.890	- / 2.731	- / 2.797	- / 2.816	- / -	- / -	- / 13.839	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 10.585	- / 11.741	- / -	- / 11.741	- / 11.097	- / 11.362	- / 11.440	- / -	- / -	- / 56.225	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / 6.906	- / 3.039	- / -	- / 3.039	- / 1.804	- / 1.483	- / 0.710	- / 0.727	- / -	- / 14.669	
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / 3.710	- / 4.736	- / -	- / 4.736	- / 2.059	- / 1.870	- / 0.533	- / 1.297	- / -	- / 14.205	
SUPPORT-EQUIP	- / -	- / -	- / 0.278	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.278	
Change Orders	- / -	- / -	- / 0.107	- / 0.236	- / -	- / 0.236	- / 0.296	- / 0.164	- / -	- / 0.157	- / -	- / 0.960	
OTHER GOVT	- / -	- / -	- / 0.424	- / 0.616	- / -	- / 0.616	- / 0.618	- / 0.608	- / 0.624	- / 0.305	- / -	- / 3.195	
<i>Subtotal: Support</i>	- / -	- / -	- / 11.425	- / 8.627	- / -	- / 8.627	- / 4.777	- / 4.125	- / 1.867	- / 2.486	- / -	- / 33.307	
Installation													
<i>Modification Item 2 of 2: Install Kits Group A (2)</i>	- / -	- / -	- / -	120 / 23.099	- / -	120 / 23.099	130 / 25.621	120 / 24.215	120 / 24.793	92 / 13.117	- / -	582 / 110.845	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	120 / 23.099	- / -	120 / 23.099	130 / 25.621	120 / 24.215	120 / 24.793	92 / 13.117	- / -	582 / 110.845	
Total													
Total Cost (Procurement + Support + Installation)	-	-	22.010	43.467	0.000	43.467	41.495	39.702	38.100	15.603	-	200.377	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F01600 / F-16			Modification Number / Title: 633034 / Secure Mission Data Systems	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 2: COMMON: SMDS: Equipment							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 633034 / Secure Mission Data Systems

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

Modification Item 2 of 2: Install Kits Group A (2)

Manufacturer Information

Manufacturer Name: Multiple Manufacturer Location: TBD

Administrative Leadtime (in Months): 6 Production Leadtime (in Months): 3

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		May 2023	May 2024	May 2025	May 2026	May 2027	
Delivery Dates		Aug 2023	Aug 2024	Aug 2025	Aug 2026	Aug 2027	

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	120 / 23.099	- / -	120 / 23.099	- / -	- / -	- / -	- / -	- / -	120 / 23.099
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	130 / 25.621	- / -	- / -	- / -	- / -	130 / 25.621
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	120 / 24.215	- / -	- / -	- / -	120 / 24.215
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	120 / 24.793	- / -	- / -	120 / 24.793
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	92 / 13.117	- / -	92 / 13.117
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	120 / 23.099	- / -	120 / 23.099	130 / 25.621	120 / 24.215	120 / 24.793	92 / 13.117	- / -	582 / 110.845

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	30	30	30	30	33	33	32	32	30	30	30	30	30	30	30	30	25	25	25	17	0	582
Out	0	-	-	-	-	-	-	-	-	30	30	30	30	33	33	32	32	30	30	30	30	30	30	30	30	25	25	25	17	0	582

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,283.888	407.927	747.933	794.676	-	794.676	860.834	1,000.899	1,033.279	426.761	1,736.165	9,292.362
Less PY Advance Procurement (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	-	-	-	0.000
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,283.888	407.927	747.933	794.676	-	794.676	860.834	1,000.899	1,033.279	426.761	1,736.165	9,292.362
Plus CY Advance Procurement (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	-	-	-	0.000
Total Obligation Authority (<i>\$ in Millions</i>)	2,283.888	407.927	747.933	794.676	-	794.676	860.834	1,000.899	1,033.279	426.761	1,736.165	9,292.362

(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-22 Raptor is a multi-mission fighter aircraft that combines low observability, supercruise, maneuverability and integrated avionics to make it the world's most capable air superiority aircraft. The F-22 provides air superiority to the Joint Force, access in the highly contested operational environment, as well as homeland and cruise missile defense into the 2040s. The F-22 is currently in the post-production operations phase of its acquisition lifecycle and therefore utilizes an acquisition strategy of balanced modernization and sustainment to maintain its asymmetric war fighting advantage. F-22 modernization and sustainment programs invest in upgrades to the air vehicle, engine, and training systems to improve F-22 weapons, communications, navigation, pilot systems, and electronic warfare capabilities.

The F-22 Raptor's Modernization is conducted using a rapid acquisition construct leveraging commercial best practices such as agile and lean. This allows the F-22 Raptor program to develop, test, and field software/hardware from multiple programs (product lines) using an annual delivery cadence for capabilities as they mature. The F-22 Raptor program's utilization of these commercial best practices during production activities allows for concurrent installations of mature Group A and Group B hardware of multiple product lines, delivering warfighter capabilities to the field earlier than historical acquisition practices.

Funds may be used to resolve emerging safety of flight and diminishing manufacturing sources issues, accommodate technology insertion and fulfill Federal Aviation Administration (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

Funding for the exhibit contained in Program (PE) 0207138F.

In accordance with Section 1815 of the FY08 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.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	386.812	718.179	754.426	-	754.426	686.584	848.033	896.266
AFNG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	21.115	29.754	40.250	-	40.250	174.250	152.866	137.013

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	407.927	747.933	794.676	-	794.676	860.834	1,000.899	1,033.279	426.761

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date: March 2023**

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

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

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	F22027 / Crypto Modernization (Capability Improvement)				- / 16.479	- / -	- / -	- / -	- / -	- / -
P-40a***	F22031 / Viability (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	1 / Reliability and Maintainability Program (Reliability & Maintainability)		A		- / 1,653.171	- / 160.192	- / 162.474	- / 91.053	- / 0.000	- / 91.053
P-3a	2 / Link 16 (Capability Improvement)		A		- / 256.112	- / 20.487	- / 28.716	- / 22.868	- / 0.000	- / 22.868
P-3a	3 / F119 Engine Modifications (Other)		A		- / 105.559	- / 3.078	- / 2.760	- / 5.995	- / 0.000	- / 5.995
P-3a	4 / Trainers Modernization (Safety)		A		- / 132.178	- / 16.888	- / 4.239	- / 12.285	- / 0.000	- / 12.285
P-3a	5 / Mode 5 Challenge and Reply (Capability Improvement)		B		- / 56.596	- / 0.000	- / 8.730	- / 88.567	- / 0.000	- / 88.567
P-3a	6 / Sensor Enhancement (Capability Improvement)		B		- / 63.793	- / 207.282	- / 511.623	- / 494.566	- / 0.000	- / 494.566
P-3a	7 / Navigation Systems (Capability Improvement)		B		- / 0.000	- / 0.000	- / 29.391	- / 35.527	- / 0.000	- / 35.527
P-3a	8 / Low Drag Tanks and Pylons (Capability Improvement)		B		- / 0.000	- / 0.000	- / 0.000	- / 43.815	- / 0.000	- / 43.815
P-40	Total Gross/Weapon System Cost				- / 2,283.888	- / 407.927	- / 747.933	- / 794.676	- / -	- / 794.676

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	F22027 / Crypto Modernization (Capability Improvement)				- / -	- / 20.000	- / 30.000	- / -	- / -	- / 66.479
P-40a***	F22031 / Viability (Capability Improvement)				- / 135.899	- / 275.854	- / 294.187	- / 200.470	- / -	- / 906.410
P-3a	1 / Reliability and Maintainability Program (Reliability & Maintainability)		A		- / 94.735	- / 96.236	- / 97.298	- / 97.946	- / -	- / 2,453.105
P-3a	2 / Link 16 (Capability Improvement)		A		- / 12.665	- / 0.000	- / -	- / -	- / -	- / 340.848
P-3a	3 / F119 Engine Modifications (Other)		A		- / 2.236	- / 3.077	- / 3.610	- / 0.768	- / 0.181	- / 127.264
P-3a	4 / Trainers Modernization (Safety)		A		- / 4.950	- / 11.934	- / 4.969	- / 9.840	- / 0.000	- / 197.283
P-3a	5 / Mode 5 Challenge and Reply (Capability Improvement)		B		- / 91.954	- / 31.770	- / 7.109	- / 3.427	- / 0.000	- / 288.153
P-3a	6 / Sensor Enhancement (Capability Improvement)		B		- / 384.848	- / 414.029	- / 436.905	- / 0.000	- / 1,618.900	- / 4,131.946
P-3a	7 / Navigation Systems (Capability Improvement)		B		- / 48.975	- / 59.783	- / 31.497	- / 10.410	- / 11.440	- / 227.023
P-3a	8 / Low Drag Tanks and Pylons (Capability Improvement)		B		- / 84.572	- / 88.216	- / 127.704	- / 103.900	- / 105.644	- / 553.851
P-40	Total Gross/Weapon System Cost				- / 860.834	- / 1,000.899	- / 1,033.279	- / 426.761	- / 1,736.165	- / 9,292.362

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

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

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

Justification:
This program, P-3A Mod F22035, Low Drag Tanks and Pylons, is a new start.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft		P-1 Line Item Number / Title: F02200 / F-22A
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207138F	Other Related Program Elements: 0207138F
Line Item MDAP/MAIS Code: N/A		
Modifications requesting FY24 funding are as follows: F119 Engine Modifications (Other); Trainers Modernization (Safety); Reliability and Maintainability Program (Reliability & Maintainability); Link 16 (Capability Improvement); Mode 5 Reply and Challenge (Capability Improvement); Sensor Enhancement (Capability Improvement); and Navigation Systems (Capability Improvement). Further details are contained in the P-3A's.		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 1 / Reliability and Maintainability Program

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,653.171	160.192	162.474	91.053	0.000	91.053	94.735	96.236	97.298	97.946	-	2,453.105
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,653.171	160.192	162.474	91.053	0.000	91.053	94.735	96.236	97.298	97.946	-	2,453.105
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,653.171	160.192	162.474	91.053	0.000	91.053	94.735	96.236	97.298	97.946	-	2,453.105

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

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

Description:

Reliability, Availability, and Maintainability Program (RAMP) provides solution identification and integration of modifications to improve reliability, availability and maintainability (RAM) for the F-22 fleet. The associated RAMP efforts (O&S funded) develop candidate initiatives, which are down-selected by Air Combat Command, for implementation based on development maturity and impact on the F-22 life cycle costs.

The RAMP program includes funding for retrofit installation labor, modifications to address corrosion, reduce maintenance hours, increase safety and provide urgent response requirements identified by the user to the F-22 fleet. Urgent response requirements are quick demand requirements addressing safety or air superiority, ensuring the warfighter and the weapon system are operating as intended. RAMP funds may be used to resolve emerging safety of flight, accommodate technology insertion and fulfill Federal Aviation Administration requirements or other mandates necessary to ensure continued aircrew safety and mission effectiveness. RAMP modifications currently include individual projects which are retrofitted onto aircraft based on aircraft downtime opportunities.

In FY24, RAMP kit procurement and installation will continue on projects such as: Power and reliability increase for the Main Power Generator; Core Processing Software (CORE32) which replaces 1st generation fiber optic segments for Common Integrated Processor (CIP) backplane, improving backplane fiber reliability and interoperability; Low Observable (LO) Mighty Tough Boot, which replaces less durable boot material and leads to an estimated 3% increase in aircraft reliability; Very High Frequency (VHF) Antenna which includes an updated antenna design allowing for the retrofit of a updated antenna core, modified spar design, and leading edge. All RAMP retrofit kits have component level improvement metrics and contribute to the overall reliability, availability, maintainability and safety of the F-22.

Kit installations are completed at either the depot or by a contractor field team depending on the complexity of the installation effort and scheduled aircraft downtime opportunities. Quantities are based on an assumed maturity of the solution and are subject to change over time. The average cost per kit varies based on planned retrofit kits in a given year, the complexity of the materials, and labor required to integrate/install on the fleet.

RAMP Mod funds may be used for mission support costs to include, but not limited to, travel, computer costs, and other miscellaneous contract support.

Milestone/Development Status

Installation of RAMP mods continues for 10 vetted & approved solutions in FY24 - 6 Reliability/1 Availability/3 Maintainability improvements.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 1 / Reliability and Maintainability Program
---	--	--

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

	Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
	Total Obligation Authority	140.000	147.835	77.766	-	77.766	81.265	82.113	85.388	85.726
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	20.192	14.639	13.287	-	13.287	13.470	14.123	11.910	12.220
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	160.192	162.474	91.053	0.000	91.053	94.735	96.236	97.298	97.946

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F02200 / F-22A						Modification Number / Title: 1 / Reliability and Maintainability Program			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: F-22				Modification Type: Reliability & Maintainability				Related RDT&E PEs: 0207138F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: RAMP Kits</i>													
B Kits													
Recurring													
RAMP Kits:EQUIPMENT Group B (Active)	9,813 / 860.083	653 / 113.387	1,154 / 123.004	1,928 / 49.984	- / -	1,928 / 49.984	1,339 / 57.638	305 / 61.835	1,050 / 62.605	1,050 / 64.980	- / -	17,292 / 1,393.516	
RAMP Kits:EQUIPMENT Group B (Guard)	1,468 / 78.106	96 / 16.670	198 / 10.560	329 / 8.940	- / -	329 / 8.940	230 / 9.901	54 / 10.948	151 / 9.003	151 / 9.237	- / -	2,677 / 153.365	
<i>Subtotal: Recurring</i>	- / 938.189	- / 130.057	- / 133.564	- / 58.924	- / -	- / 58.924	- / 67.539	- / 72.783	- / 71.608	- / 74.217	- / -	- / 1,546.881	
<i>Subtotal: RAMP Kits</i>	- / 938.189	- / 130.057	- / 133.564	- / 58.924	- / -	- / 58.924	- / 67.539	- / 72.783	- / 71.608	- / 74.217	- / -	- / 1,546.881	
<i>Subtotal: Procurement, All Modification Items</i>	- / 938.189	- / 130.057	- / 133.564	- / 58.924	- / -	- / 58.924	- / 67.539	- / 72.783	- / 71.608	- / 74.217	- / -	- / 1,546.881	
Support (All Modification Items)													
Change Orders	- / 20.788	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.788	
OTHER GOVT	- / 52.188	- / 2.657	- / 1.261	- / 2.695	- / -	- / 2.695	- / 2.991	- / 2.345	- / 2.562	- / -	- / -	- / 66.699	
<i>Subtotal: Support</i>	- / 72.976	- / 2.657	- / 1.261	- / 2.695	- / -	- / 2.695	- / 2.991	- / 2.345	- / 2.562	- / -	- / -	- / 87.487	
Installation													
<i>Modification Item 1 of 1: RAMP Kits</i>	11,281 / 642.006	749 / 27.478	1,352 / 27.649	2,257 / 29.434	- / -	2,257 / 29.434	1,569 / 24.205	359 / 21.108	1,201 / 23.128	1,201 / 23.729	- / -	19,969 / 818.737	
<i>Subtotal: Installation</i>	11,281 / 642.006	749 / 27.478	1,352 / 27.649	2,257 / 29.434	- / -	2,257 / 29.434	1,569 / 24.205	359 / 21.108	1,201 / 23.128	1,201 / 23.729	- / -	19,969 / 818.737	
Total													
Total Cost (Procurement + Support + Installation)	1,653.171	160.192	162.474	91.053	0.000	91.053	94.735	96.236	97.298	97.946	-	2,453.105	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 1 / Reliability and Maintainability Program

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

Modification Item 1 of 1: RAMP Kits

Manufacturer Information

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

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022	Jan 2023	Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028
Delivery Dates	Jan 2022	Jan 2023	Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	2,169 / 94.899	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,169 / 94.899
FY 2022	- / -	235 / 8.622	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	235 / 8.622
FY 2023	- / -	- / -	431 / 8.673	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	431 / 8.673
FY 2024	- / -	- / -	- / -	728 / 9.235	- / -	728 / 9.235	- / -	- / -	- / -	- / -	- / -	728 / 9.235
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	498 / 7.587	- / -	- / -	- / -	- / -	498 / 7.587
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	113 / 6.644	- / -	- / -	- / -	113 / 6.644
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	376 / 7.241	- / -	- / -	376 / 7.241
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	376 / 7.429	- / -	376 / 7.429
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2,169 / 94.899	235 / 8.622	431 / 8.673	728 / 9.235	- / -	728 / 9.235	498 / 7.587	113 / 6.644	376 / 7.241	376 / 7.429	- / -	4,926 / 150.330

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	2,169	58	59	59	59	108	108	108	107	182	182	182	182	125	125	124	124	28	28	28	29	94	94	94	94	94	94	94	94	0	4,926
Out	2,169	58	59	59	59	108	108	108	107	182	182	182	182	125	125	124	124	28	28	28	29	94	94	94	94	94	94	94	94	0	4,926

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	9,112 / 547.107	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9,112 / 547.107

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 1 / Reliability and Maintainability Program
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Modification Item 1 of 1: RAMP Kits

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2022	- / -	514 / 18.856	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	514 / 18.856
FY 2023	- / -	- / -	921 / 18.976	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	921 / 18.976
FY 2024	- / -	- / -	- / -	1,529 / 20.199	- / -	1,529 / 20.199	- / -	- / -	- / -	- / -	- / -	1,529 / 20.199
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	1,071 / 16.618	- / -	- / -	- / -	- / -	1,071 / 16.618
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	246 / 14.464	- / -	- / -	- / -	246 / 14.464
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	825 / 15.887	- / -	- / -	825 / 15.887
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	825 / 16.300	- / -	825 / 16.300
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	9,112 / 547.107	514 / 18.856	921 / 18.976	1,529 / 20.199	- / -	1,529 / 20.199	1,071 / 16.618	246 / 14.464	825 / 15.887	825 / 16.300	- / -	15,043 / 668.407

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	9,112	128	128	129	129	230	230	230	231	382	382	382	383	267	268	268	268	61	61	62	62	206	206	206	207	206	206	206	207	0	15,043
Out	9,112	128	128	129	129	230	230	230	231	382	382	382	383	267	268	268	268	61	61	62	62	206	206	206	207	206	206	206	207	0	15,043

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 2 / Link 16

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	256.112	20.487	28.716	22.868	0.000	22.868	12.665	0.000	-	-	-	340.848
Less PY Advance Procurement (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	-	-	-	0.000
Net Procurement (P-1) (<i>\$ in Millions</i>)	256.112	20.487	28.716	22.868	0.000	22.868	12.665	0.000	-	-	-	340.848
Plus CY Advance Procurement (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	-	-	-	0.000
Total Obligation Authority (<i>\$ in Millions</i>)	256.112	20.487	28.716	22.868	0.000	22.868	12.665	0.000	-	-	-	340.848

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

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

Description:

The Link 16 modification will procure and install the hardware necessary to field Link 16 Transmit capability on the F-22 Raptor. Link 16 transmit will be fielded via Multi-functional Information Distribution Service Joint Tactical Radio System (MIDS/JTRS). Legacy Link 16 receive capabilities will be re-hosted to the MIDS/JTRS. Link 16 capabilities will be enabled by Open System Architecture (OSA). Procurement of an OSA system, MIDS/JTRS, L-band antennas, and other supporting hardware are required to enable Link 16 capabilities.

Link 16 began fielding installs in Q1 FY22 and will continue through Q4 FY26. This hardware delivery includes mission support requirements and other government costs to include, but not limited to, support equipment, training devices, specialized test equipment, and long-lead assets. Funds may be used to resolve emerging safety of flight and diminishing manufacturing sources issues, accommodate technology insertion and fulfill FAA or other mandates necessary to ensure continued aircrew safety and mission effectiveness. Mode 5 Reply will be fielded concurrently with Link 16 and will utilize the same hardware being procured for this capability.

Installation for Link 16 and MIDS/JTRS items occurs at the same time so installation costs are combined in the Link 16 installation cost line.

Milestone/Development Status

Software has been integrated onto production representative hardware and testing is in progress in system-level labs. Developmental flight test began in Q2 FY20 and concluded Q4 FY21. A production decision was approved in Q4 FY19. Production contracts for Lot 1, Lot 2 and Lot 3 have been awarded via the Navy MIDS JTRS program office. Hardware delivery and installation began on combat aircraft in Q1 FY22 and will continue through FY26 when the last of the 142 aircraft receive hardware modifications.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	20.487	28.716	22.868	-	22.868	1.565	0.000	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	11.100	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	20.487	28.716	22.868	0.000	22.868	12.665	0.000	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F02200 / F-22A					Modification Number / Title: 2 / Link 16			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: F-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0207138F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 2: Link 16</i>													
B Kits													
Recurring													
Link 16:EQUIPMENT Group B (Active)	115 / 132.241	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	115 / 132.241	
Link 16:EQUIPMENT Group B (Guard)	27 / 17.971	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 17.971	
<i>Subtotal: Recurring</i>	- / 150.212	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 150.212	
<i>Subtotal: Link 16</i>	- / 150.212	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 150.212	
<i>Modification Item 2 of 2: MIDS/JTRS</i>													
B Kits													
Recurring													
MIDS/JTRS:EQUIPMENT Group B (Active)	127 / 84.979	- / -	15 / 10.167	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	142 / 95.146	
<i>Subtotal: Recurring</i>	- / 84.979	- / -	- / 10.167	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 95.146	
<i>Subtotal: MIDS/JTRS</i>	- / 84.979	- / -	- / 10.167	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 95.146	
<i>Subtotal: Procurement, All Modification Items</i>	- / 235.191	- / -	- / 10.167	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 245.358	
Support (All Modification Items)													
Change Orders	- / 0.000	- / -	- / -	- / 0.000	- / -	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.000	
OTHER GOV'T	- / 10.384	- / 3.667	- / 1.259	- / 5.008	- / -	- / 5.008	- / 1.565	- / -	- / -	- / -	- / -	- / 21.883	
<i>Subtotal: Support</i>	- / 10.384	- / 3.667	- / 1.259	- / 5.008	- / -	- / 5.008	- / 1.565	- / -	- / -	- / -	- / -	- / 21.883	
Installation													
<i>Modification Item 1 of 2: Link 16</i>	4 / 10.537	20 / 16.820	45 / 17.290	33 / 17.860	- / -	33 / 17.860	40 / 11.100	- / -	- / -	- / -	- / -	142 / 73.607	
<i>Modification Item 2 of 2: MIDS/JTRS</i>	4 / 0.000	20 / 0.000	45 / 0.000	33 / 0.000	- / -	33 / 0.000	40 / 0.000	0 / 0.000	- / -	- / -	- / -	142 / 0.000	
<i>Subtotal: Installation</i>	8 / 10.537	40 / 16.820	90 / 17.290	66 / 17.860	- / -	66 / 17.860	80 / 11.100	0 / -	- / -	- / -	- / -	284 / 73.607	
Total													
Total Cost (Procurement + Support + Installation)	256.112	20.487	28.716	22.868	0.000	22.868	12.665	0.000	-	-	-	340.848	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 2 / Link 16
---	--	--

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

Modification Item 1 of 2: Link 16

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Ft. Worth, TX
Administrative Leadtime (in Months): 8	Production Leadtime (in Months): 13

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	4 / 10.537	20 / 16.820	45 / 17.290	33 / 17.860	- / -	33 / 17.860	40 / 11.100	- / -	- / -	- / -	- / -	142 / 73.607
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 10.537	20 / 16.820	45 / 17.290	33 / 17.860	- / -	33 / 17.860	40 / 11.100	- / -	- / -	- / -	- / -	142 / 73.607

Installation Schedule

PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	2	2	0	0	3	5	6	6	10	13	10	12	8	11	6	8	7	8	13	12	-	-	-	-	-	-	-	-	0	142
Out	0	2	2	0	0	3	5	6	6	10	13	10	12	8	11	6	8	7	8	13	12	-	-	-	-	-	-	-	-	0	142

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 2 / Link 16

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

Modification Item 2 of 2: MIDS/JTRS

Manufacturer Information

Manufacturer Name: Viasat	Manufacturer Location: Carlsbad, CA
Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		May 2023					
Delivery Dates		May 2024					

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	4 / 0.000	20 / 0.000	45 / 0.000	33 / 0.000	- / -	33 / 0.000	25 / 0.000	0 / 0.000	- / -	- / -	- / -	127 / 0.000
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.000	0 / 0.000	- / -	- / -	- / -	15 / 0.000
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 0.000	20 / 0.000	45 / 0.000	33 / 0.000	- / -	33 / 0.000	40 / 0.000	0 / 0.000	- / -	- / -	- / -	142 / 0.000

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	2	2	0	0	3	5	6	6	10	13	10	12	8	11	6	8	7	8	13	12	-	-	-	-	-	-	-	-	0	142
Out	0	2	2	0	0	3	5	6	6	10	13	10	12	8	11	6	8	7	8	13	12	-	-	-	-	-	-	-	-	0	142

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 3 / F119 Engine Modifications

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	105.559	3.078	2.760	5.995	0.000	5.995	2.236	3.077	3.610	0.768	0.181	127.264
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	105.559	3.078	2.760	5.995	0.000	5.995	2.236	3.077	3.610	0.768	0.181	127.264
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	105.559	3.078	2.760	5.995	0.000	5.995	2.236	3.077	3.610	0.768	0.181	127.264

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

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

Description:

This program includes F119 Engine modifications, depot labor, parts and the support equipment (SE) tooling required for F119 Engine upgrades to improve long-term engine sustainment. This program funds engine modifications of 471 engines and 25 spare module sets. Quantities reflect estimated individual kit procurement and installation. Engine modifications are necessary to improve the safety, reliability, maintainability, sustainability, mission performance, and affordability of the F119 engine in order to achieve full life status of hot and cold (4325/8650) Total Accumulated Cycles (TAC).

Funds may be used to resolve emerging safety of flight and issues with diminishing manufacturing sources, accommodate technology insertion and fulfill Federal Aviation Administration or other mandates necessary to ensure continued aircrew safety and mission effectiveness. Once retrofit procedures and material solution is developed, the retrofit kit installations are done either at the depot or by field teams depending on the complexity of the effort.

F119 Engine Modification funds may be used for mission support costs to include, but not limited to, travel, computer costs, and other miscellaneous contract support.

Milestone/Development Status

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

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	2.995	2.553	5.617	-	5.617	2.042	3.024	3.556	0.712
AFNG									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.083	0.207	0.378	-	0.378	0.194	0.053	0.054	0.056
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	3.078	2.760	5.995	0.000	5.995	2.236	3.077	3.610	0.768

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F02200 / F-22A				Modification Number / Title: 3 / F119 Engine Modifications					
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: F-22				Modification Type: Other				Related RDT&E PEs: 0207138F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Engine Modification Kits</i>													
B Kits													
Recurring													
Engine Modification Kits:EQUIPMENT Group B (Active)	8,671 / 56.640	- / -	167 / 1.077	852 / 2.792	- / -	852 / 2.792	80 / 0.516	82 / 0.527	83 / 0.537	83 / 0.551	- / -	10,018 / 62.640	
Engine Modification Kits:EQUIPMENT Group B (Guard)	1,673 / 7.408	- / -	21 / 0.070	111 / 0.363	- / -	111 / 0.363	10 / 0.034	10 / 0.034	10 / 0.035	10 / 0.037	- / -	1,845 / 7.981	
<i>Subtotal: Recurring</i>	- / 64.048	- / -	- / 1.147	- / 3.155	- / -	- / 3.155	- / 0.550	- / 0.561	- / 0.572	- / 0.588	- / -	- / 70.621	
<i>Subtotal: Engine Modification Kits</i>	- / 64.048	- / -	- / 1.147	- / 3.155	- / -	- / 3.155	- / 0.550	- / 0.561	- / 0.572	- / 0.588	- / -	- / 70.621	
<i>Subtotal: Procurement, All Modification Items</i>	- / 64.048	- / -	- / 1.147	- / 3.155	- / -	- / 3.155	- / 0.550	- / 0.561	- / 0.572	- / 0.588	- / -	- / 70.621	
Support (All Modification Items)													
OTHER GOVT	- / 16.618	- / 2.657	- / 1.261	- / 2.695	- / -	- / 2.695	- / 0.293	- / 2.344	- / 2.862	- / -	- / -	- / 28.730	
<i>Subtotal: Support</i>	- / 16.618	- / 2.657	- / 1.261	- / 2.695	- / -	- / 2.695	- / 0.293	- / 2.344	- / 2.862	- / -	- / -	- / 28.730	
Installation													
<i>Modification Item 1 of 1: Engine Modification Kits</i>	9,730 / 24.893	336 / 0.421	278 / 0.352	188 / 0.145	- / -	188 / 0.145	963 / 1.393	90 / 0.172	92 / 0.176	93 / 0.180	93 / 0.181	11,863 / 27.913	
<i>Subtotal: Installation</i>	9,730 / 24.893	336 / 0.421	278 / 0.352	188 / 0.145	- / -	188 / 0.145	963 / 1.393	90 / 0.172	92 / 0.176	93 / 0.180	93 / 0.181	11,863 / 27.913	
Total													
Total Cost (Procurement + Support + Installation)	105.559	3.078	2.760	5.995	0.000	5.995	2.236	3.077	3.610	0.768	0.181	127.264	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 3 / F119 Engine Modifications
---	--	--

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

Modification Item 1 of 1: Engine Modification Kits

Manufacturer Information

Manufacturer Name: Pratt & Whitney Manufacturer Location: East Hartford/Tinker AFB

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

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Jan 2023	Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028
Delivery Dates		Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028	Jan 2029

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	2,530 / 3.360	90 / 0.102	278 / 0.352	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,898 / 3.814
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	67 / 0.050	- / -	67 / 0.050	- / -	- / -	- / -	- / -	- / -	67 / 0.050
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2,530 / 3.360	90 / 0.102	278 / 0.352	67 / 0.050	- / -	67 / 0.050	- / -	- / -	- / -	- / -	- / -	2,965 / 3.864

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	2,530	22	22	22	24	69	69	70	70	16	16	16	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2,965
Out	2,530	22	22	22	24	69	69	70	70	16	16	16	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2,965

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	7,200 / 21.533	246 / 0.319	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7,446 / 21.852

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 3 / F119 Engine Modifications
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Modification Item 1 of 1: Engine Modification Kits

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	121 / 0.095	- / -	121 / 0.095	- / -	- / -	- / -	- / -	- / -	121 / 0.095
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	963 / 1.393	- / -	- / -	- / -	- / -	963 / 1.393
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	90 / 0.172	- / -	- / -	- / -	90 / 0.172
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	92 / 0.176	- / -	- / -	92 / 0.176
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	93 / 0.180	- / -	93 / 0.180
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	93 / 0.181	93 / 0.181
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	7,200 / 21.533	246 / 0.319	- / -	121 / 0.095	- / -	121 / 0.095	963 / 1.393	90 / 0.172	92 / 0.176	93 / 0.180	93 / 0.181	8,898 / 24.049

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	7,200	62	62	61	61	0	0	0	0	30	30	30	31	240	241	241	241	22	22	23	23	23	23	23	23	23	23	23	24	93	8,898
Out	7,200	62	62	61	61	0	0	0	0	30	30	30	31	240	241	241	241	22	22	23	23	23	23	23	23	23	23	23	24	93	8,898

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force	Date: March 2023
---	-------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 4 / Trainers Modernization
---	--	---

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	132.178	16.888	4.239	12.285	0.000	12.285	4.950	11.934	4.969	9.840	0.000	197.283
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	132.178	16.888	4.239	12.285	0.000	12.285	4.950	11.934	4.969	9.840	0.000	197.283
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	132.178	16.888	4.239	12.285	0.000	12.285	4.950	11.934	4.969	9.840	0.000	197.283

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

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

Description:

This effort modifies training devices to simulate existing and future F-22 operational capabilities and maintains alignment with the latest fleet aircraft configuration. The modifications enable 4-ship Mission Training Centers (MTC), Weapons and Tactics Trainers (WTT), and Maintenance Training Devices (MTD) to provide realistic training. Modifications also include reliability, availability, and maintainability improvements. There are currently 71 training devices (45 Pilot and 26 Maintenance). Modifications are done by contractor field teams.

F-22 Maintenance and Pilot training assets require continued investments to remain consistent with operational aircraft. The requested funding is focused on streamlining training qualifications to ensure training is representative of current operational aircraft.

Trainers Modernization funds may be used for mission support costs to include, but not limited to, travel, computer costs, and other miscellaneous contract support.

Milestone/Development Status

Development conducted in conjunction with Ready Aircrew Program tasking memorandums.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	16.888	4.239	12.285	-	12.285	4.950	11.934	4.969
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	16.888	4.239	12.285	0.000	12.285	4.950	11.934	4.969

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F02200 / F-22A					Modification Number / Title: 4 / Trainers Modernization			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: F-22				Modification Type: Safety				Related RDT&E PEs: 0207138F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Trainer Modifications</i>													
B Kits													
Recurring													
Trainer Modifications:EQUIPMENT Group B (Active)	170 / 97.154	32 / 12.989	5 / 2.383	20 / 8.990	- / -	20 / 8.990	5 / 2.984	20 / 8.984	5 / 3.074	20 / 9.220	- / -	277 / 145.778	
<i>Subtotal: Recurring</i>	- / 97.154	- / 12.989	- / 2.383	- / 8.990	- / -	- / 8.990	- / 2.984	- / 8.984	- / 3.074	- / 9.220	- / -	- / 145.778	
<i>Subtotal: Trainer Modifications</i>	- / 97.154	- / 12.989	- / 2.383	- / 8.990	- / -	- / 8.990	- / 2.984	- / 8.984	- / 3.074	- / 9.220	- / -	- / 145.778	
<i>Subtotal: Procurement, All Modification Items</i>	- / 97.154	- / 12.989	- / 2.383	- / 8.990	- / -	- / 8.990	- / 2.984	- / 8.984	- / 3.074	- / 9.220	- / -	- / 145.778	
Support (All Modification Items)													
OTHER GOVT	- / 17.124	- / 2.657	- / 1.261	- / 2.695	- / -	- / 2.695	- / 1.360	- / 2.344	- / 1.289	- / -	- / -	- / 18.730	
<i>Subtotal: Support</i>	- / 17.124	- / 2.657	- / 1.261	- / 2.695	- / -	- / 2.695	- / 1.360	- / 2.344	- / 1.289	- / -	- / -	- / 18.730	
Installation													
<i>Modification Item 1 of 1: Trainer Modifications</i>	170 / 27.900	32 / 1.242	5 / 0.595	20 / 0.600	- / -	20 / 0.600	5 / 0.606	20 / 0.606	5 / 0.606	20 / 0.620	- / -	277 / 32.775	
<i>Subtotal: Installation</i>	170 / 27.900	32 / 1.242	5 / 0.595	20 / 0.600	- / -	20 / 0.600	5 / 0.606	20 / 0.606	5 / 0.606	20 / 0.620	- / -	277 / 32.775	
Total													
Total Cost (Procurement + Support + Installation)	132.178	16.888	4.239	12.285	0.000	12.285	4.950	11.934	4.969	9.840	0.000	197.283	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 4 / Trainers Modernization
---	--	---

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

Modification Item 1 of 1: Trainer Modifications

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Palmdale/Hill AFB
------------------------------------	--

Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 0
--	------------------------------------

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022	Jan 2023	Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028
Delivery Dates	Jan 2022	Jan 2023	Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	170 / 27.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 27.900
FY 2022	- / -	32 / 1.242	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 1.242
FY 2023	- / -	- / -	5 / 0.595	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.595
FY 2024	- / -	- / -	- / -	20 / 0.600	- / -	20 / 0.600	- / -	- / -	- / -	- / -	- / -	20 / 0.600
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.606	- / -	- / -	- / -	- / -	5 / 0.606
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.606	- / -	- / -	- / -	20 / 0.606
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.606	- / -	- / -	5 / 0.606
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.620	- / -	20 / 0.620
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	170 / 27.900	32 / 1.242	5 / 0.595	20 / 0.600	- / -	20 / 0.600	5 / 0.606	20 / 0.606	5 / 0.606	20 / 0.620	- / -	277 / 32.775

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	170	8	8	8	8	1	1	1	2	5	5	5	5	1	1	1	2	5	5	5	5	1	1	1	2	5	5	5	5	0	277
Out	170	8	8	8	8	1	1	1	2	5	5	5	5	1	1	1	2	5	5	5	5	1	1	1	2	5	5	5	5	0	277

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 5 / Mode 5 Challenge and Reply

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	56.596	0.000	8.730	88.567	0.000	88.567	91.954	31.770	7.109	3.427	0.000	288.153
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	56.596	0.000	8.730	88.567	0.000	88.567	91.954	31.770	7.109	3.427	0.000	288.153
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	56.596	0.000	8.730	88.567	0.000	88.567	91.954	31.770	7.109	3.427	0.000	288.153

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

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

Description:

The Mode 5 Level 1 (L1) Challenge and Reply was formerly known as Tactical Mandates and Mode 5 IFF Transpond/Interrogate. Mode 5 L1 Challenge and Reply capabilities will be fielded on all Block 30/35 F-22 aircraft. The mandate for Mode 5 L1 Challenge and Reply improves Combat Identification and reduces the risk of fratricide in highly dynamic Joint combat environments. Mode 5 Reply will be fielded via Multi- functional Information Distribution Service Joint Tactical Radio System (MIDS/JTRS). Mode 5 L1 Challenge requires a retrofitted Antenna Electronics Unit (AEU), new cryptographic card, and new circuit card assemblies for full functionality. Mode 5 Reply began fielding in Q1 FY22 and is projected through Q4 FY26. Mode 5 L1 Challenge will begin fielding in Q4 FY26 through Q4 FY28.

Mode 5 Level 1 (L1) Challenge and Reply Mod funds may be used for mission support costs to include, but not limited to, travel, computer costs, and other miscellaneous contract support. Funds may also be used to resolve emerging safety of flight and diminishing manufacturing sources issues, accommodate technology insertion and fulfill FAA or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

Milestone/Development Status

Development is continuing for both Mode 5 Level 1 (L1) Challenge and Reply capabilities. Mode 5 L1 Reply software has been integrated onto production representative hardware. 4 out of 142 aircraft have been fielded with initial Mode 5 L1 Reply software enabling capabilities. Software received an approved Stage 4 Radio Frequency Authorization (RFA) for United States and Possessions (US&P). Development of both Mode 5 Challenge and Reply capabilities continues, mainly consisting of annual software releases.

DTE on Mode 5 Challenge hardware is ongoing and projected to complete by Apr 2023. DTE flight test activities are projected to begin Jun 2023 through Mar 2024; OTE flight test activities are projected for Apr 2024 through Aug 2024. Performance specification data will be reviewed once DTE activities are completed in Apr 2023.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	5.210	77.399	-	77.399	72.084	21.863	5.704	3.146
AFNG	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	3.520	11.168	-	11.168	19.870	9.907	1.405	0.281
Total:	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force	Date: March 2023
---	-------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 5 / Mode 5 Challenge and Reply
---	--	---

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	0.000	8.730	88.567	0.000	88.567	91.954	31.770	7.109	3.427

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F02200 / F-22A					Modification Number / Title: 5 / Mode 5 Challenge and Reply			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0207138F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 2: AEU Retrofit</i>													
B Kits													
Recurring													
AEU Retrofit:EQUIPMENT Group B (Active)	- / -	- / -	7 / 4.161	25 / 15.253	- / -	25 / 15.253	36 / 19.533	42 / 4.148	5 / 0.507	- / -	- / -	115 / 43.602	
AEU Retrofit:EQUIPMENT Group B (Guard)	- / -	- / -	5 / 2.972	5 / 3.051	- / -	5 / 3.051	6 / 8.872	6 / 0.593	5 / 0.507	- / -	- / -	27 / 15.995	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 7.133	- / 18.304	- / -	- / 18.304	- / 28.405	- / 4.741	- / 1.014	- / -	- / -	- / 59.597	
<i>Subtotal: AEU Retrofit</i>	- / -	- / -	- / 7.133	- / 18.304	- / -	- / 18.304	- / 28.405	- / 4.741	- / 1.014	- / -	- / -	- / 59.597	
<i>Modification Item 2 of 2: Mode 5 Challenge and Reply</i>													
B Kits													
Recurring													
Mode 5 Challenge and Reply:EQUIPMENT Group B (Active)	- / -	- / -	- / -	61 / 51.204	- / -	61 / 51.204	51 / 42.096	3 / 4.879	- / -	- / -	- / -	115 / 98.179	
Mode 5 Challenge and Reply:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	9 / 7.555	- / -	9 / 7.555	9 / 10.305	9 / 8.235	- / -	- / -	- / -	27 / 26.095	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 58.759	- / -	- / 58.759	- / 52.401	- / 13.114	- / -	- / -	- / -	- / 124.274	
<i>Subtotal: Mode 5 Challenge and Reply</i>	- / -	- / -	- / -	- / 58.759	- / -	- / 58.759	- / 52.401	- / 13.114	- / -	- / -	- / -	- / 124.274	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 7.133	- / 77.063	- / -	- / 77.063	- / 80.806	- / 17.855	- / 1.014	- / -	- / -	- / 183.871	
Support (All Modification Items)													
SUPPORT-EQUIP	- / 48.596	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 48.596	
Data	- / -	- / -	- / 10.082	- / 15.436	- / -	- / 15.436	- / 13.307	- / 3.023	- / 0.385	- / 0.380	- / -	- / 12.613	
OTHER GOVT	- / 8.000	- / -	- / 10.200	- / 12.694	- / -	- / 12.694	- / 2.992	- / 2.344	- / 2.563	- / 2.672	- / -	- / 21.465	
<i>Subtotal: Support</i>	- / 56.596	- / -	- / 10.282	- / 18.130	- / -	- / 18.130	- / 6.299	- / 5.367	- / 2.948	- / 3.052	- / -	- / 82.674	
Installation													
<i>Modification Item 1 of 2: AEU Retrofit</i>	- / -	- / -	12 / 1.315	30 / 3.374	- / -	30 / 3.374	42 / 4.849	48 / 5.688	10 / 1.217	- / -	- / -	142 / 16.443	
<i>Modification Item 2 of 2: Mode 5 Challenge and Reply</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 2.860	60 / 1.930	12 / 0.375	- / -	142 / 5.165	
<i>Subtotal: Installation</i>	- / -	- / -	12 / 1.315	30 / 3.374	- / -	30 / 3.374	42 / 4.849	118 / 8.548	70 / 3.147	12 / 0.375	- / -	284 / 21.608	
Total													
Total Cost (Procurement + Support + Installation)	56.596	0.000	8.730	88.567	0.000	88.567	91.954	31.770	7.109	3.427	0.000	288.153	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 5 / Mode 5 Challenge and Reply
---	--	---

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

Modification Item 1 of 2: AEU Retrofit

Manufacturer Information

Manufacturer Name: Northrop Grumman Manufacturer Location: San Diego

Administrative Leadtime (in Months): 3 Production Leadtime (in Months): 10

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Jan 2023	Nov 2024	Nov 2025	Nov 2026		
Delivery Dates		Nov 2023	Sep 2025	Sep 2026	Sep 2027		

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	12 / 1.315	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.315
FY 2024	- / -	- / -	- / -	30 / 3.374	- / -	30 / 3.374	- / -	- / -	- / -	- / -	- / -	30 / 3.374
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	42 / 4.849	- / -	- / -	- / -	- / -	42 / 4.849
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 5.688	- / -	- / -	- / -	48 / 5.688
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.217	- / -	- / -	10 / 1.217
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	12 / 1.315	30 / 3.374	- / -	30 / 3.374	42 / 4.849	48 / 5.688	10 / 1.217	- / -	- / -	142 / 16.443

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	6	6	7	7	8	8	10	10	11	11	12	12	12	12	5	5	-	-	0	142
Out	0	-	-	-	-	-	-	-	-	-	-	6	6	7	7	8	8	10	10	11	11	12	12	12	12	5	5	-	-	0	142

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 5 / Mode 5 Challenge and Reply
---	--	---

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

Modification Item 2 of 2: Mode 5 Challenge and Reply

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth, TX
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Mar 2024	Mar 2025	Mar 2026		
Delivery Dates			Mar 2025	Mar 2026	Mar 2027		

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 2.860	- / -	- / -	- / -	70 / 2.860
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 1.930	- / -	- / -	60 / 1.930
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.375	- / -	12 / 0.375
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 2.860	60 / 1.930	12 / 0.375	- / -	142 / 5.165

Installation Schedule

PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	18	18	18	15	15	15	15	12	-	-	-	0	142
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	18	18	18	15	15	15	15	12	-	-	-	0	142

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 6 / Sensor Enhancement
---	--	---

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	63.793	207.282	511.623	494.566	0.000	494.566	384.848	414.029	436.905	0.000	1,618.900	4,131.946
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	63.793	207.282	511.623	494.566	0.000	494.566	384.848	414.029	436.905	0.000	1,618.900	4,131.946
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	63.793	207.282	511.623	494.566	0.000	494.566	384.848	414.029	436.905	0.000	1,618.900	4,131.946

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

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

Description:

Sensor Enhancements Group A is currently part of the F-22 Rapid Fielding Middle Tier Acquisition (MTA) program and will fully utilize that authority. Sensor Enhancements Group B is currently part of the F-22 Rapid Prototyping Middle Tier Acquisition (MTA). Each effort will transition to an acquisition program or other acquisition pathway. Sensor Enhancements improves Raptor's sensing and tracking and ensures Air Superiority by preserving the first look, first shot and first kill capabilities of the 142 Block 30/35 F-22 aircraft. This effort includes required supporting hardware of an Open Systems Architecture Interface Module (OSIF) and an advanced Infrared Search and Track (IRST) sensor that provides the F-22 with an asymmetric sensing advantage against potential adversaries while continuing to deliver on its unmatched maneuverability.

Sensor Enhancement Mod funds may be used for mission support costs including, but not limited to, travel, computer costs, and other miscellaneous contract support.

Sensor Enhancements supports both Operational Imperative #3, Achieving Moving Target Indication and Tracking at Scale, and Operational Imperative #4, Defining the Next Generation Air Dominance (NGAD) Family of Systems (FoS).

Milestone/Development Status

Concurrent technology development and demonstration efforts continue for Sensor Enhancements. Group A kits were purchased in FY22 for delivery and installation in FY23. Sensor Enhancements Group B will continue to mature through FY22 and FY23 culminating in a flight test demonstration to retire the risk associated with hardware integration and a production decision in FY23.

Sensor Enhancements production kits are expected to go through Developmental Test & Evaluation (DTE) starting in April 2024 through June 2026. Following the completion of DTE, Operational Test & Evaluation (OTE) is expected to start in July 2026 and complete in November 2026.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	206.442	500.235	485.680	-	485.680	278.882	307.363	334.811	-
AFNG									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.840	11.388	8.886	-	8.886	105.966	106.666	102.094	-
Total:									
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force	Date: March 2023
---	-------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 6 / Sensor Enhancement
---	--	---

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	207.282	511.623	494.566	0.000	494.566	384.848	414.029	436.905	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F02200 / F-22A					Modification Number / Title: 6 / Sensor Enhancement			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0207138F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207138F	- / 460.515	- / 238.704	- / 160.200	- / 101.688	- / -	- / 101.688	- / 84.900	- / 95.300	- / 103.545	- / -	- / -	- / 1,244.852	
Procurement													
Modification Item 1 of 2: COMMON: OSIF													
B Kits													
Recurring													
COMMON: OSIF:EQUIPMENT Group B (Active)	- / -	38 / 26.619	52 / 6.240	25 / 3.000	- / -	25 / 3.000	- / -	- / -	- / -	- / -	- / -	115 / 35.859	
COMMON: OSIF:EQUIPMENT Group B (Guard)	- / -	7 / 0.840	14 / 1.680	6 / 0.720	- / -	6 / 0.720	- / -	- / -	- / -	- / -	- / -	27 / 3.240	
Subtotal: Recurring	- / -	- / 27.459	- / 7.920	- / 3.720	- / -	- / 3.720	- / -	- / -	- / -	- / -	- / -	- / 39.099	
Subtotal: COMMON: OSIF	- / -	- / 27.459	- / 7.920	- / 3.720	- / -	- / 3.720	- / -	- / -	- / -	- / -	- / -	- / 39.099	
Modification Item 2 of 2: Sensor Enhancements													
A Kits													
Recurring													
Sensor Enhancements:INSTALL KITS Group A (Active)	59 / 38.505	- / -	31 / 25.188	25 / 20.847	- / -	25 / 20.847	- / -	- / -	- / -	- / -	- / -	115 / 84.540	
Sensor Enhancements:INSTALL KITS Group A (Guard)	12 / 8.222	- / -	9 / 7.312	6 / 5.003	- / -	6 / 5.003	- / -	- / -	- / -	- / -	- / -	27 / 20.537	
Subtotal: Recurring	- / 46.727	- / -	- / 32.500	- / 25.850	- / -	- / 25.850	- / -	- / -	- / -	- / -	- / -	- / 105.077	
B Kits													
Recurring													
Sensor Enhancements:EQUIPMENT Group B (Active)	- / -	- / -	15 / 443.096	15 / 434.997	- / -	15 / 434.997	10 / 256.179	11 / 292.431	13 / 331.806	- / -	51 / 1,259.450	115 / 3,017.959	
Sensor Enhancements:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	4 / 102.471	4 / 106.339	4 / 102.094	- / -	15 / 359.450	27 / 670.354	
Subtotal: Recurring	- / -	- / -	- / 443.096	- / 434.997	- / -	- / 434.997	- / 358.650	- / 398.770	- / 433.900	- / -	- / 1,618.900	- / 3,688.313	
Subtotal: Sensor Enhancements	- / 46.727	- / -	- / 475.596	- / 460.847	- / -	- / 460.847	- / 358.650	- / 398.770	- / 433.900	- / -	- / 1,618.900	- / 3,793.390	
Subtotal: Procurement, All Modification Items	- / 46.727	- / 27.459	- / 483.516	- / 464.567	- / -	- / 464.567	- / 358.650	- / 398.770	- / 433.900	- / -	- / 1,618.900	- / 3,832.489	
Support (All Modification Items)													
OTHER GOVT	- / 8.056	- / 2.657	- / 3.583	- / 15.428	- / -	- / 15.428	- / 3.118	- / 5.340	- / 3.005	- / -	- / -	- / 31.187	
Data	- / 9.010	- / 10.436	- / 11.048	- / 19.660	- / -	- / 19.660	- / 17.830	- / 17.302	- / -	- / -	- / -	- / 55.286	
Change Orders	- / -	- / 160.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 160.000	
Subtotal: Support	- / 17.066	- / 173.093	- / 14.631	- / 15.088	- / -	- / 15.088	- / 10.948	- / 12.642	- / 3.005	- / -	- / -	- / 246.473	
Installation													
Modification Item 2 of 2: Sensor Enhancements	- / -	8 / 6.730	45 / 13.476	33 / 14.911	- / -	33 / 14.911	48 / 15.250	8 / 2.617	- / -	- / -	- / -	142 / 52.984	
Subtotal: Installation	- / -	8 / 6.730	45 / 13.476	33 / 14.911	- / -	33 / 14.911	48 / 15.250	8 / 2.617	- / -	- / -	- / -	142 / 52.984	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F02200 / F-22A						Modification Number / Title: 6 / Sensor Enhancement		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: F-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0207138F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Total												
Total Cost (Procurement + Support + Installation)	63.793	207.282	511.623	494.566	0.000	494.566	384.848	414.029	436.905	0.000	1,618.900	4,131.946

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F02200 / F-22A			Modification Number / Title: 6 / Sensor Enhancement	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 2: COMMON: OSIF							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 6 / Sensor Enhancement
---	--	---

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

Modification Item 2 of 2: Sensor Enhancements

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Ft. Worth, TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 16

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Dec 2022	Dec 2023				
Delivery Dates		Apr 2024	Apr 2025				

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	8 / 6.730	45 / 13.476	18 / 8.133	- / -	18 / 8.133	- / -	- / -	- / -	- / -	- / -	71 / 28.339
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	15 / 6.778	- / -	15 / 6.778	25 / 7.942	- / -	- / -	- / -	- / -	40 / 14.720
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	23 / 7.308	8 / 2.617	- / -	- / -	- / -	31 / 9.925
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	8 / 6.730	45 / 13.476	33 / 14.911	- / -	33 / 14.911	48 / 15.250	8 / 2.617	- / -	- / -	- / -	142 / 52.984

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	1	7	10	8	15	12	8	10	7	8	7	13	16	12	5	3	-	-	-	-	-	-	0	142
Out	0	-	-	-	-	-	-	1	7	10	8	15	12	8	10	7	8	7	13	16	12	5	3	-	-	-	-	-	-	0	142

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 7 / Navigation Systems
---	--	---

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	29.391	35.527	0.000	35.527	48.975	59.783	31.497	10.410	11.440	227.023
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	29.391	35.527	0.000	35.527	48.975	59.783	31.497	10.410	11.440	227.023
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	29.391	35.527	0.000	35.527	48.975	59.783	31.497	10.410	11.440	227.023

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

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

Description:

The Navigation Systems modification line consists of the software and hardware integration and installation necessary to ensure the F-22's ability to maintain Positioning, Navigation and Timing (PNT) capabilities in GPS degraded environments.

The Navigation Systems program consists of the software and hardware development, test and fielding necessary to ensure the F-22's ability to maintain PNT capabilities in GPS degraded environments. This effort will include the integration of Embedded GPS/Inertial Navigation System (INS) Modernization (EGI-M) (IAW M-Code Mandates in Public Law 111-383), replacement of the legacy GPS antenna with a robust Controlled Reception Pattern Antenna (CRPA) both working together to prevent exploitation of the weapon system by adversaries and to provide an anti-jam, anti-spoof PNT solution. Antennas and the EGI-M retrofit will be accomplished incrementally on all Block 30/35 F-22 Raptors. This includes: 142 antenna retrofit kits (27/142) for Air Force National Guard (AFNG) and 284 EGI-M retrofit kits (54/284 for AFNG).

The F-22 Raptor's Modernization is conducted using a rapid acquisition construct leveraging commercial best practices such as agile and lean. This allows the F-22 Raptor program to develop, test, and field software/hardware from multiple programs (product lines) using an annual delivery cadence for capabilities as they mature. The F-22 Raptor program's utilization of these commercial best practices during production activities will allow for concurrent installations of mature Group A and Group B hardware of multiple product lines, delivering warfighter capabilities to the field earlier than under historical acquisition practices.

Milestone/Development Status

Prior to flight test, CRPA units will begin F-22 integration. EGI-M Group B is in development under a contract managed by the PNT - Program Office. The F-22's prime integrator is developing the associated Group A hardware to support final integration of the Group B design in FY23.

CRPA HW backwards compatibility SW Update, Release 3: Test Readiness Review (TRR) - Oct 2021; Combined DTE/OTE - Aug 2023; Fielding Decision Review (FDR) - Sept 2023; TDP - N/A, no procurement for this stage.

CRPA new HW/SW Release 4: TRR - Mar 2023; Combined DTE/OTE - Aug 2024; FDR - Sept 2024; TDP - Sept 2023.

	Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	29.391	35.527	-	35.527	48.975	59.783	31.497	10.410

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F02200 / F-22A				Modification Number / Title: 7 / Navigation Systems			
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:					
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	0.000	29.391	35.527	0.000	35.527	48.975	59.783	31.497	10.410

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F02200 / F-22A					Modification Number / Title: 7 / Navigation Systems			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0207138F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 2: CRPA</i>													
B Kits													
Recurring													
CRPA:EQUIPMENT Group B (Active)	- / -	- / -	27 / 28.130	30 / 32.580	- / -	30 / 32.580	41 / 45.680	44 / 49.650	- / -	- / -	- / -	142 / 156.040	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 28.130	- / 32.580	- / -	- / 32.580	- / 45.680	- / 49.650	- / -	- / -	- / -	- / 156.040	
<i>Subtotal: CRPA</i>	- / -	- / -	- / 28.130	- / 32.580	- / -	- / 32.580	- / 45.680	- / 49.650	- / -	- / -	- / -	- / 156.040	
<i>Modification Item 2 of 2: EGI-M</i>													
B Kits													
Recurring													
EGI-M:EQUIPMENT Group B (Active)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 6.890	30 / 7.890	41 / 8.790	44 / 10.780	142 / 34.350	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.890	- / 7.890	- / 8.790	- / 10.780	- / 34.350	
<i>Subtotal: EGI-M</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.890	- / 7.890	- / 8.790	- / 10.780	- / 34.350	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 28.130	- / 32.580	- / -	- / 32.580	- / 45.680	- / 56.540	- / 7.890	- / 8.790	- / 10.780	- / 190.390	
Support (All Modification Items)													
OTHER GOVT	- / -	- / -	- / 1.261	- / 2.695	- / -	- / 2.695	- / 2.992	- / 2.345	- / 22.563	- / 1.000	- / -	- / 32.856	
<i>Subtotal: Support</i>	- / -	- / -	- / 1.261	- / 2.695	- / -	- / 2.695	- / 2.992	- / 2.345	- / 22.563	- / 1.000	- / -	- / 32.856	
Installation													
<i>Modification Item 1 of 2: CRPA</i>	- / -	- / -	- / -	27 / 0.252	- / -	27 / 0.252	30 / 0.303	41 / 0.448	44 / 0.534	- / -	- / -	142 / 1.537	
<i>Modification Item 2 of 2: EGI-M</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 0.450	30 / 0.510	41 / 0.620	44 / 0.660	142 / 2.240	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	27 / 0.252	- / -	27 / 0.252	30 / 0.303	68 / 0.898	74 / 1.044	41 / 0.620	44 / 0.660	284 / 3.777	
Total													
Total Cost (Procurement + Support + Installation)	0.000	0.000	29.391	35.527	0.000	35.527	48.975	59.783	31.497	10.410	11.440	227.023	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 7 / Navigation Systems
---	--	---

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

Modification Item 1 of 2: CRPA

Manufacturer Information

Manufacturer Name: Ball Aerospace	Manufacturer Location: Westminster, CO
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Jun 2023	Mar 2024	Mar 2025	Mar 2026		
Delivery Dates		Jun 2024	Mar 2025	Mar 2026	Mar 2027		

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	27 / 0.252	- / -	27 / 0.252	- / -	- / -	- / -	- / -	- / -	27 / 0.252
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.303	- / -	- / -	- / -	- / -	30 / 0.303
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 0.448	- / -	- / -	- / -	41 / 0.448
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 0.534	- / -	- / -	44 / 0.534
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	27 / 0.252	- / -	27 / 0.252	30 / 0.303	41 / 0.448	44 / 0.534	- / -	- / -	142 / 1.537

Installation Schedule

PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	6	7	7	7	7	7	8	8	10	10	10	11	11	11	11	11	0	142
Out	0	-	-	-	-	-	-	-	-	-	-	-	6	7	7	7	7	7	8	8	10	10	10	11	11	11	11	11	0	142

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 7 / Navigation Systems

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

Modification Item 2 of 2: EGI-M

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Woodland Hills, CA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates					Jun 2026	Jun 2027	Jun 2028
Delivery Dates					Jun 2027	Jun 2028	Jun 2029

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 0.450	- / -	- / -	- / -	27 / 0.450
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.510	- / -	- / -	30 / 0.510
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 0.620	- / -	41 / 0.620
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 0.660	44 / 0.660
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 0.450	30 / 0.510	41 / 0.620	44 / 0.660	142 / 2.240

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	9	9	9	8	9	9	9	72	142
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	9	9	9	8	9	9	9	72	142

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F02200 / F-22A	Modification Number / Title: 8 / Low Drag Tanks and Pylons

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	43.815	0.000	43.815	84.572	88.216	127.704	103.900	105.644	553.851
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.000	0.000	0.000	43.815	0.000	43.815	84.572	88.216	127.704	103.900	105.644	553.851
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	0.000	0.000	43.815	0.000	43.815	84.572	88.216	127.704	103.900	105.644	553.851

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

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

Description:

This program, P-3A Mod F22035, Low Drag Tanks and Pylons, is a new start.

The F-22 Low Drag Tank and Pylon (LDTP) capability is critical to maintaining Air Superiority in the joint fight and help combat emerging threats. Due to the advancement of adversary technologies in detection and emergence of fighter, cargo, and refueling platforms increasing engagement ranges, it is critical to future mission execution and success to provide the Raptor with an increased range capability while maintaining own-ship survivability. This procurement profile will include the procurement and installation of 326 low-drag tanks (LDTs) and 286 low-drag pylons (LDPs) to support 142 combat-coded F-22 aircraft with two LDTs and LDPs per aircraft to include spare levels.

The F-22 LDTPs are advanced technological designs providing increased persistence and range while maintaining lethality and survivability. The low drag tanks are intended to minimize the impact of drag, facilitate supersonic flight with external tanks and extend the range of the F-22. The pylons are equipped with smart rack pneumatic technology to accurately control ejection performance and smooth wind-swept surface for minimum drag without store.

Milestone/Development Status

The LDTP program will finalize technology maturation and conduct risk reduction tasks including the procurement of test pylons, evaluation of designs for improvement, completion of a manufacturing readiness assessment, and analysis to support the development and execution of a flight test program up to .95Mach. The program will continue EMD to include the procurement of LDTP assets, as well as support equipment, evaluation of designs for improvement, flight test execution for threshold envelop (1.2Mach), and LDTP qualification and certification. The analysis, flight test and non-recurring engineering activities will ensure the program's transition to production to support required asset available (RAA) fielding with threshold capabilities. The production contract strategy will separate the LDT and LDP into separate contracting actions to allow for the alignment of delivery schedules to support concurrent fielding of LDTs and LDPs.

DTE - Awarded Nov 2022; DTE flight test activities are scheduled to begin in April 2023 for 39 weeks of flight test activities (up to .95M) under a risk reduction contract; IOT&E - Projected April 2025, OTE - Projected March 2024; TDP - Projected April 2023: TDP will occur when a critical design review (CDR) is conducted within EMD contract execution (April 23) and will allow the release of Production RFPs.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	37.284	-	37.284	60.922	66.099	106.154	82.550
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.531	-	6.531	23.650	22.117	21.550	21.350

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F02200 / F-22A				Modification Number / Title: 8 / Low Drag Tanks and Pylons			
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:					
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	0.000	0.000	43.815	0.000	43.815	84.572	88.216	127.704	103.900

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F02200 / F-22A					Modification Number / Title: 8 / Low Drag Tanks and Pylons			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0207138F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207138F	- / 20.050	- / 21.950	- / 32.200	- / 8.600	- / -	- / 8.600	- / -	- / -	- / -	- / -	- / -	- / 82.800	
Procurement													
Modification Item 1 of 2: Pylons													
B Kits													
Recurring													
Pylons:EQUIPMENT Group B (Active)	- / -	- / -	- / -	16 / 25.400	- / -	16 / 25.400	29 / 41.405	34 / 45.239	57 / 73.863	45 / 57.750	51 / 65.450	232 / 309.107	
Pylons:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	3 / 4.763	- / -	3 / 4.763	12 / 17.133	12 / 15.967	12 / 15.550	12 / 15.400	3 / 3.850	54 / 72.663	
Subtotal: Recurring	- / -	- / -	- / -	- / 30.163	- / -	- / 30.163	- / 58.538	- / 61.206	- / 89.413	- / 73.150	- / 69.300	- / 381.770	
Subtotal: Pylons	- / -	- / -	- / -	- / 30.163	- / -	- / 30.163	- / 58.538	- / 61.206	- / 89.413	- / 73.150	- / 69.300	- / 381.770	
Modification Item 2 of 2: Tanks													
B Kits													
Recurring													
Tanks:EQUIPMENT Group B (Active)	- / -	- / -	- / -	16 / 9.429	- / -	16 / 9.429	29 / 15.749	48 / 17.425	57 / 28.500	45 / 22.313	77 / 32.300	272 / 125.716	
Tanks:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	3 / 1.768	- / -	3 / 1.768	12 / 6.517	12 / 6.150	12 / 6.000	12 / 5.950	3 / 1.500	54 / 27.885	
Subtotal: Recurring	- / -	- / -	- / -	- / 11.197	- / -	- / 11.197	- / 22.266	- / 23.575	- / 34.500	- / 28.263	- / 33.800	- / 153.601	
Subtotal: Tanks	- / -	- / -	- / -	- / 11.197	- / -	- / 11.197	- / 22.266	- / 23.575	- / 34.500	- / 28.263	- / 33.800	- / 153.601	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / 41.360	- / -	- / 41.360	- / 80.804	- / 84.781	- / 123.913	- / 101.413	- / 103.100	- / 535.371	
Support (All Modification Items)													
OTHER GOVT	- / -	- / -	- / -	- / 2.455	- / -	- / 2.455	- / 3.768	- / 3.435	- / 3.791	- / 2.487	- / 2.544	- / 18.480	
Subtotal: Support	- / -	- / -	- / -	- / 2.455	- / -	- / 2.455	- / 3.768	- / 3.435	- / 3.791	- / 2.487	- / 2.544	- / 18.480	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	0.000	0.000	43.815	0.000	43.815	84.572	88.216	127.704	103.900	105.644	553.851	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F02200 / F-22A			Modification Number / Title: 8 / Low Drag Tanks and Pylons	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 2: Pylons							
Manufacturer Information							
Manufacturer Name: Marvin Engineering				Manufacturer Location: California			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 18			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Nov 2023	Nov 2024	Nov 2025	Nov 2026	Nov 2027
Delivery Dates			May 2025	May 2026	May 2027	May 2028	May 2029
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 286		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F02200 / F-22A		Modification Number / Title: 8 / Low Drag Tanks and Pylons		
ID Code (A=Service Ready, B=Not Service Ready) : B				MDAP/MAIS Code:			
Modification Item 2 of 2: Tanks							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates				Nov 2024	Nov 2025	Nov 2026	Nov 2027
Delivery Dates				Nov 2025	Nov 2026	Nov 2027	Nov 2028
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 326		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0207142F	Other Related Program Elements: 0604840F
--	--	---

Line Item MDAP/MAIS Code: 198

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,415.860	247.928	333.096	451.798	-	451.798	555.594	556.869	554.573	566.112	466.031	5,147.861
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,415.860	247.928	333.096	451.798	-	451.798	555.594	556.869	554.573	566.112	466.031	5,147.861
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,415.860	247.928	333.096	451.798	-	451.798	555.594	556.869	554.573	566.112	466.031	5,147.861

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

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

Description:

The F-35 Joint Strike Fighter (JSF) Program will develop and deploy a family of highly common, affordable, next generation, stealthy, multi-role strike fighters that meet the needs of multiple services and countries. The United States Air Force (USAF) F-35A Conventional Take Off and Landing (CTOL) line item funds modifications and retrofits to the F-35A aircraft and integrated air systems. The overall effort provides correction of deficiencies, near and long-term improvements to the fleet, and focuses on documented deficiencies related to safety, maintainability, and aircraft systems.

In order to meet emerging deficiencies and capability upgrades, the airframe and integrated air systems must be modified as critical corrections/changes are identified. Investments manage, prepare, process and incorporate modifications to sustain and improve F-35A system operations. These modifications and selected component changes are accomplished by field and depot retrofit activities.

The modification funding requested in FY2024 enables several distinct efforts pertaining to the USAF F-35A aircraft to include post aircraft delivery correction of deficiencies, Block 4 upgrades of hardware and software, and Structural Life Limited Group 2 (SLLP2) upgrades.

Block upgrades provide more robust performance in navigation, weapons, avionics, survivability, maneuverability, maintainability, and mission deployment of the F-35A platform. This modification program will bring early production aircraft and integrated systems to a common fleet configuration as fielded capabilities evolve over the course of the F-35 program.

The SLLP2 will remove life limits below 4,000 hours. SLLP3 is the follow-on to resolve life limits from 4,000 to 8,000 flight hours. In 2022, the program finished analysis of the results of the Damage and Durability Testing and developed the initial list of SLLP3 issues. Non-recurring engineering to develop the engineering solutions and Engineering Change Proposals (ECPs) for SLLP3 began in FY2023. In FY2024, the program will continue to install SLLP2 ECPs while continuing to develop the engineering solutions for SLLP3 ECPs. The program intends to begin awarding SLLP3 ECPs as soon as possible to maximize installation efficiency in the future.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FY2022 was the first year of procurement for Tech Refresh 3 (TR-3) hardware, Lot 15 kits, with deliveries planned for calendar year 2024. In FY2023, the program began purchasing Lot 16 and Lot 17 retrofit kits to deliver additional Block 4 capabilities. In FY2024, the program plans to install Lot 15 kits, begin kit procurements of the Lot 19 hardware, and continue to procure Lot 15, 16, and 17 kits. Lot 18 modification kits not required. Lot 18 production configuration equivalent to Lot 17.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft		P-1 Line Item Number / Title: F03500 / F-35 Modifications
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0207142F	Other Related Program Elements: 0604840F
Line Item MDAP/MAIS Code: 198		
FY2024 Modifications schedule accounts for Ogden Air Logistics Complex expansion from 19 to 30 modification docks.		
Note: (1) United States Air Force (USAF) 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).		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

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

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207142F **Other Related Program Elements:** 0604840F

Line Item MDAP/MAIS Code: 198

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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-3a	1 / Block 3i LRIP 2-5 Upgrade (Capability Improvement)		B		- / 216.806	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-3a	2 / Block 3F LRIP 2-5 Upgrade (Capability Improvement)		B		- / 9.591	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-3a	3 / Block 3F LRIP 6-8 Upgrade (Capability Improvement)		B		- / 2.856	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-3a	4 / Concurrency (Other)		B		- / 898.330	- / 8.114	- / 1.000	- / 16.950	- / 0.000	- / 16.950
P-3a	5 / Correction of Deficiencies (Other)		B		- / 226.484	- / 82.026	- / 111.457	- / 127.115	- / 0.000	- / 127.115
P-3a	6 / Block 4 Modifications (Capability Improvement)		B		- / 61.793	- / 149.488	- / 204.539	- / 291.233	- / 0.000	- / 291.233
P-3a	7 / Propulsion (Other)		B		- / 0.000	- / 6.200	- / 11.000	- / 12.000	- / 0.000	- / 12.000
P-3a	8 / Reliability and Maintainability (Reliability & Maintainability)		B		- / 0.000	- / 2.100	- / 5.100	- / 4.500	- / 0.000	- / 4.500
P-40	Total Gross/Weapon System Cost				- / 1,415.860	- / 247.928	- / 333.096	- / 451.798	- / -	- / 451.798

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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-3a	1 / Block 3i LRIP 2-5 Upgrade (Capability Improvement)		B		- / 0.000	- / 0.000	- / -	- / -	- / -	- / 216.806
P-3a	2 / Block 3F LRIP 2-5 Upgrade (Capability Improvement)		B		- / 0.000	- / 0.000	- / -	- / -	- / -	- / 9.591
P-3a	3 / Block 3F LRIP 6-8 Upgrade (Capability Improvement)		B		- / 0.000	- / 0.000	- / -	- / -	- / -	- / 2.856
P-3a	4 / Concurrency (Other)		B		- / 13.630	- / 13.050	- / 0.000	- / -	- / -	- / 951.074
P-3a	5 / Correction of Deficiencies (Other)		B		- / 145.902	- / 144.225	- / 141.896	- / 134.685	- / 114.323	- / 1,228.113
P-3a	6 / Block 4 Modifications (Capability Improvement)		B		- / 379.562	- / 384.094	- / 403.467	- / 415.679	- / 350.350	- / 2,640.205
P-3a	7 / Propulsion (Other)		B		- / 12.000	- / 12.000	- / 3.400	- / 10.000	- / 0.000	- / 66.600
P-3a	8 / Reliability and Maintainability (Reliability & Maintainability)		B		- / 4.500	- / 3.500	- / 5.810	- / 5.748	- / 1.358	- / 32.616
P-40	Total Gross/Weapon System Cost				- / 555.594	- / 556.869	- / 554.573	- / 566.112	- / 466.031	- / 5,147.861

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

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

Justification:
Basis for FY2024 budget request is to continue to invest in the modifications to the F-35A Total Active procured Inventory through Lot 15 of 458 aircraft. FY2024 funding increased for kits and installs to support SLLP2, the acceleration of Block 4 modification efforts, Correction of Deficiency, Propulsion, and Reliability and Maintainability modifications in support of global F-35A operations.

F-35A depot aircraft installation costs will increase in FY2024 due to a rise in the number of inductions and the increase in number of modifications authorized to be installed during each induction. The program expects modification hours for Correction of Deficiencies to increase by 14.5 percent reaching 107,892 hours in FY2024. F-35A SLLP2 modifications are projected to complete in 2031.

For Block 4, the program expects to achieve the maximum enterprise capacity for Lot 17 kit procurements of 216 shipsets per year in 2024. Similarly, Lot 19 procurements will begin at 70 percent of their maximum capacity of 225 shipsets per year in 2024 before reaching full capacity in 2025.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft		P-1 Line Item Number / Title: F03500 / F-35 Modifications
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0207142F	Other Related Program Elements: 0604840F
Line Item MDAP/MAIS Code: 198		

The FY 2024 funding request was reduced by \$34.63 million to account for the availability of prior year execution balances.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force	Date: March 2023
---	-------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 1 / Block 3i LRIP 2-5 Upgrade
---	---	--

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	216.806	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	-	216.806
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	216.806	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	-	216.806
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	216.806	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	-	216.806

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

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

Description:

The block upgrade program retrofits United States Air Force F-35A aircraft and integrated systems procured under the LRIP contracts to a final Block 3F configuration. The retrofits to enable the final Block 3F configuration are comprised of hardware and software. The hardware per aircraft includes new radar modules, new Integrated Core Processor modules and rack, and new electronic warfare modules. Aircraft need to be updated to a final Block 3F configuration to avoid cost associated with maintaining multiple configurations of aircraft at operating locations. Some will require multiple modifications to reach the final Block 3F configuration.

These modifications focus on upgrading Blocks 1B, 2A, and 2B aircraft from LRIPs 2-5 to a Block 3i configuration. Block 3i is a stepping stone to the Block 3F configuration. It includes the procurement of hardware for the current Block 3i configuration. The parts include new radar modules, new Integrated Core Processor (ICP) modules and rack, and new Electronic Warfare (EW) modules. The Gen III Helmet will also be introduced as part of the Block 3i upgrade. This effort includes tooling and test equipment for Military Service Depots to support the execution of the Block Upgrade program.

Milestone/Development Status

Not Applicable - No funding requested in FY24

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F03500 / F-35 Modifications					Modification Number / Title: 1 / Block 3i LRIP 2-5 Upgrade			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-35A				Modification Type: Capability Improvement				Related RDT&E PEs: 0604840F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Block 3i</i>													
B Kits													
Recurring													
Block 3i:EQUIPMENT Group B (Active)	46 / 158.409	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 158.409	
<i>Subtotal: Recurring</i>	- / 158.409	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 158.409	
<i>Subtotal: Block 3i</i>	- / 158.409	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 158.409	
<i>Subtotal: Procurement, All Modification Items</i>	- / 158.409	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 158.409	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	
SIM/TRAINER	24 / 12.984	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 12.984	
Mod of Spares	- / 130.027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 130.027	
<i>Subtotal: Support</i>	24 / 43.011	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 43.011	
Installation													
<i>Modification Item 1 of 1: Block 3i</i>	46 / 15.386	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 15.386	
<i>Subtotal: Installation</i>	46 / 15.386	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 15.386	
Total													
Total Cost (Procurement + Support + Installation)	216.806	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	216.806	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 1 / Block 3i LRIP 2-5 Upgrade
---	---	--

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

Modification Item 1 of 1: Block 3i

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth
Administrative Leadtime (in Months): 10	Production Leadtime (in Months): 27

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	46 / 15.386	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 15.386
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	46 / 15.386	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 15.386

Installation Schedule

PYS	FY 2022	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	46
Out	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	46

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 2 / Block 3F LRIP 2-5 Upgrade

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	9.591	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	-	9.591
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	9.591	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	-	9.591
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	9.591	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	-	9.591

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

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

Description:

The block upgrade program retrofits United States Air Force F-35A aircraft and integrated systems procured under the LRIP contracts to a final Block 3F configuration. The retrofits to enable the final Block 3F configuration are comprised of hardware and software. The hardware per aircraft includes new radar modules, new Integrated Core Processor modules and rack, and new electronic warfare modules. Aircraft need to be updated to a final Block 3F configuration to avoid cost associated with maintaining multiple configurations of aircraft at operating locations. Some will require multiple modifications to reach the final Block 3F configuration.

This effort (MN-F3514) focuses on the Block 3F configuration upgrade effort for 46 LRIP 2-5 aircraft and integrated systems. All of the LRIP 2-5 F-35A aircraft receiving the Block 3F software under this modification will have already received the Block 3i hardware under MNF3513. This effort purchases all necessary software and installation labor to ensure LRIP 2-5 F-35A aircraft are upgraded to a Block 3F baseline for full warfighting capability.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F03500 / F-35 Modifications						Modification Number / Title: 2 / Block 3F LRIP 2-5 Upgrade		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: F-35A				Modification Type: Capability Improvement				Related RDT&E PEs: 0604840F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1:</i> Block 3F												
B Kits												
Recurring												
Block 3F:EQUIPMENT Group B (Active)	46 / 9.587	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 9.587
<i>Subtotal: Recurring</i>	- / 9.587	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.587
<i>Subtotal: Block 3F</i>	- / 9.587	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.587
<i>Subtotal: Procurement, All Modification Items</i>	- / 9.587	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.587
Support (All Modification Items)												
SIM/TRAINER	4 / 0.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.004
<i>Subtotal: Support</i>	4 / 0.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.004
Installation												
<i>Modification Item 1 of 1:</i> Block 3F	46 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 0.000
<i>Subtotal: Installation</i>	46 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 0.000
Total												
Total Cost (Procurement + Support + Installation)	9.591	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	9.591

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 2 / Block 3F LRIP 2-5 Upgrade
---	---	--

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

Modification Item 1 of 1: Block 3F

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth
Administrative Leadtime (in Months): 10	Production Leadtime (in Months): 3

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Depot Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	46 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 0.000
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	46 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 0.000

Installation Schedule

PYS	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	46
Out	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	46

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force	Date: March 2023
---	-------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 3 / Block 3F LRIP 6-8 Upgrade
---	---	--

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2.856	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	-	2.856
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2.856	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	-	2.856
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.856	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	-	2.856

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

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

Description:

The block upgrade program retrofits United States Air Force F-35A aircraft and integrated systems procured under the LRIP contracts to a final Block 3F configuration. The retrofits to enable the final Block 3F configuration are comprised of hardware and software. The hardware per aircraft includes new radar modules, new Integrated Core Processor modules and rack, and new electronic warfare modules. Aircraft need to be updated to a final Block 3F configuration to avoid cost associated with maintaining multiple configurations of aircraft at operating locations. Some will require multiple modifications to reach the final Block 3F configuration.

These modifications focus on the Block 3F configuration upgrade effort for 56 LRIP 6-8 F-35A aircraft and integrated systems. All of the LRIP 6-8 F-35A aircraft receiving the Block 3F software under this modification will have already received the Block 3i hardware under MN-F3513. This effort purchases all necessary software and installation labor to ensure LRIP 6-8 F-35A aircraft are upgraded to a Block 3F baseline for full warfighting capability.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F03500 / F-35 Modifications					Modification Number / Title: 3 / Block 3F LRIP 6-8 Upgrade			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-35A				Modification Type: Capability Improvement				Related RDT&E PEs: 0604840F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> Block 3F (2)													
B Kits													
Recurring													
Block 3F:EQUIPMENT Group B (Active)	56 / 2.856	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	56 / 2.856	
<i>Subtotal: Recurring</i>	- / 2.856	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.856	
<i>Subtotal: Block 3F (2)</i>	- / 2.856	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.856	
<i>Subtotal: Procurement, All Modification Items</i>	- / 2.856	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.856	
Support (All Modification Items)													
SUPPORT-EQUIP	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	
<i>Subtotal: Support</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	
Installation													
<i>Modification Item 1 of 1:</i> Block 3F (2)	56 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	56 / 0.000	
<i>Subtotal: Installation</i>	56 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	56 / 0.000	
Total													
Total Cost (Procurement + Support + Installation)	2.856	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	2.856	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 **P-1 Line Item Number / Title:** F03500 / F-35 Modifications **Modification Number / Title:** 3 / Block 3F LRIP 6-8 Upgrade

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

Modification Item 1 of 1: Block 3F (2)

Manufacturer Information

Manufacturer Name: Lockheed Martin Manufacturer Location: Fort Worth

Administrative Leadtime (in Months): 0 Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Depot Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	56 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	56 / 0.000
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	56 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	56 / 0.000

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	56
Out	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	56

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 4 / Concurrency

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	898.330	8.114	1.000	16.950	0.000	16.950	13.630	13.050	0.000	-	-	951.074
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	898.330	8.114	1.000	16.950	0.000	16.950	13.630	13.050	0.000	-	-	951.074
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	898.330	8.114	1.000	16.950	0.000	16.950	13.630	13.050	0.000	-	-	951.074

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

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

Description:

This effort funds retrofits due to concurrency changes to correct deficiencies tied to the Joint Contract Specification and discovered after formal acceptance (DD-250) of the last aircraft in a given production lot. This includes modifications required to extend aircraft service life currently limited by low-life parts and relieve capability limitations driven by concurrency of production with development.

The concurrency funding line will procure concurrency modifications approved at the Joint Configuration Control Board (JCCB) and prioritized within the Modifications Requirements Planning Document (MRPD). The MRPD is vetted and approved by the Services and Partners every six months to ensure that the list accurately reflects existing requirements as well as emerging issues. Per-kit costs will vary for each modification being implemented, and in some cases, will also vary by aircraft from different LRIP lots to implement an individual modification.

Total cost reflects procurement and installation costs in each fiscal year. Support costs include overall modification program planning, scheduling, and management and support of Military and Service Depots and Depot Field Teams for incorporation of modifications.

FY2021 is the transition from Concurrency to Correction of Deficiencies with the exception of Digital Tuner Insertion Program (DTIP) modification. The DTIP program modifies 148 aircraft consisting of Lots 5-10 to a Lot 11 configuration. Currently Lot 5-10 aircraft are equipped with Digital Radio Frequency Memory, which is not compatible with the Technical Refresh 3 (TR-3) upgrade program as part of Block 4. Lot 11 DTIP is required to transition aircraft to TR-3 and Lot 15 configuration and directly enables the training fleet to be standardized with the combat coded aircraft fleet.

Milestone/Development Status

In FY2024, the program will install DTIP along with TR-3 as Lot 5-10 aircraft get their TR-3 upgrades.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F03500 / F-35 Modifications							Modification Number / Title: 4 / Concurrency		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-35A				Modification Type: Other				Related RDT&E PEs: 0604840F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 2: Concurrency</i>													
A Kits													
Recurring													
Concurrency:INSTALL KITS Group A (Active)	- / 575.660	- / -	- / -	- / 0.000	- / -	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 575.660	
<i>Subtotal: Recurring</i>	- / 575.660	- / -	- / -	- / 0.000	- / -	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 575.660	
<i>Subtotal: Concurrency</i>	- / 575.660	- / -	- / -	- / 0.000	- / -	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 575.660	
<i>Modification Item 2 of 2: Digital Tuner Insertion Program (DTIP)</i>													
A Kits													
Recurring													
Digital Tuner Insertion Program (DTIP):INSTALL KITS Group A (Active)	142 / 231.800	5 / 7.054	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	147 / 238.854	
<i>Subtotal: Recurring</i>	- / 231.800	- / 7.054	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 238.854	
<i>Subtotal: Digital Tuner Insertion Program (DTIP)</i>	- / 231.800	- / 7.054	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 238.854	
<i>Subtotal: Procurement, All Modification Items</i>	- / 807.460	- / 7.054	- / -	- / 0.000	- / -	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 814.514	
Support (All Modification Items)													
ICS-Labor	- / 169.993	- / 1.060	- / 1.000	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 73.053	
OTHER GOVT	- / 20.877	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.877	
<i>Subtotal: Support</i>	- / 90.870	- / 1.060	- / 1.000	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 93.930	
Installation													
<i>Modification Item 2 of 2: Digital Tuner Insertion Program (DTIP)</i>	- / -	- / -	- / -	55 / 15.950	- / -	55 / 15.950	47 / 13.630	45 / 13.050	- / -	- / -	- / -	147 / 42.630	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	55 / 15.950	- / -	55 / 15.950	47 / 13.630	45 / 13.050	- / -	- / -	- / -	147 / 42.630	
Total													
Total Cost (Procurement + Support + Installation)	898.330	8.114	1.000	16.950	0.000	16.950	13.630	13.050	0.000	-	-	951.074	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 4 / Concurrency	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 2: Concurrency							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 4 / Concurrency
---	---	--

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

Modification Item 2 of 2: Digital Tuner Insertion Program (DTIP)

Manufacturer Information

Manufacturer Name: Lockheed Martin Manufacturer Location: Fort Worth

Administrative Leadtime (in Months): 7 Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	May 2022						
Delivery Dates	May 2023						

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	55 / 15.950	- / -	55 / 15.950	47 / 13.630	40 / 11.600	- / -	- / -	- / -	142 / 41.180
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.450	- / -	- / -	- / -	5 / 1.450
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	55 / 15.950	- / -	55 / 15.950	47 / 13.630	45 / 13.050	- / -	- / -	- / -	147 / 42.630

Installation Schedule

PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	-	-	-	-	-	-	-	-	14	14	14	13	12	12	12	11	12	11	11	11	-	-	-	-	-	-	-	-	0	147
Out	0	-	-	-	-	-	-	-	-	-	14	14	14	13	12	12	12	11	12	11	11	11	-	-	-	-	-	-	-	0	147

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 5 / Correction of Deficiencies

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	226.484	82.026	111.457	127.115	0.000	127.115	145.902	144.225	141.896	134.685	114.323	1,228.113
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	226.484	82.026	111.457	127.115	0.000	127.115	145.902	144.225	141.896	134.685	114.323	1,228.113
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	226.484	82.026	111.457	127.115	0.000	127.115	145.902	144.225	141.896	134.685	114.323	1,228.113

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

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

Description:

F-35 CTOL Correction of Deficiencies provides near and long-term improvements to fielded F-35A jets and focuses on correcting documented deficiencies related to safety, maintainability, life limits, and aircraft systems. Funds are required to manage, prepare, process and incorporate Engineering Change Proposals (ECP) to sustain and improve F-35A system operations. Artisans at the organic depot and contractor field teams perform the installation of these modifications and selected component changes into the Air System. In order to meet emerging deficiencies, the airframe and integrated systems require modifications to resolve the identified deficiencies.

The major thrust under this effort is Structural Life Limited Parts 2 (SLLP2) deficiencies. The SLLP2 program focuses on resolving identified life limits up to 4,000 flight hours. Currently, 23 ECPs make up the F-35A SLLP2 program scope, requiring a retrofit solution to remove the life limit constraint.

Additionally, this effort covers the SLLP2 follow-on program known as SLLP3. SLLP3 is the follow-on effort to resolve life limits from 4,000 to 8,000 hours, enabling the aircraft to meet full life of 8,000 flight hours. The SLLP3 program starts Non-Recurring Engineering (NRE) in FY2023, material buys in FY2024 and installations in FY2026.

In FY2024, the program will be establishing the full scope of modifications for SLLP3. Teardown of full-scale durability test assets completed in October 2018 with analysis continuing through FY2022. After analysis, the program will conduct NRE to develop the engineering solutions to fix the technical issues. In FY2024, the program will continue NRE to develop the highest priority SLLP3 ECPs. The program expects to identify additional ECP during analysis and through continued fleet operations.

SLLP material costs differences between first year and subsequent years is due to cost share agreements between the government and the prime contractor. The SLLP2 program implements the following ECPs listed below.

- ECP-0335: F-35A FS503 Frame
- ECP-0428: F-35A FS402 Right Hand Side (RHS) Frame
- ECP-0525: F-35A FS402 Upper Frame
- ECP-0557: F-35A Center Fuselage F2 Floor
- ECP-0628: F-35A FS450 Bulkhead
- ECP-0630: F-35A Fuel Floor FS496-556
- ECP-0698: F-35A FS496 Bulkhead Trunnion
- ECP-0754: F-35A FS518 Bulkhead
- ECP-0847: F-35A Vertical Tail Forward Shear Fitting Bushing

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 5 / Correction of Deficiencies
ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:	
<p>ECP-1065: F-35A F1 Feed Tank Upper Covers ECP-1130: F-35A Upper Inlet Duct Longeron ECP-1220: F-35A FS402 Upper Outboard Frame ECP-1246: F-35A LHS Metallic Forward Chine Longeron ECP-1406: F-35A Gun Blast Skin ECP-1433: F-35A, Fuel Floor FS472-496 Left Hand (LH) ECP-1434: F-35A, Fuel Floor FS472-496 Right Hand (RH) ECP-1435: F-35A FS450 Bulkhead ECP-1441: F-35A FS402 Upper Frame ECP-XXXA: F-35A Rudder Spar ECP-1689: F-35A FS383 Upper Inboard Frame ECP-XXXC: F-35A Trestle Hinge Beam ECP-XXXI: F-35A Main Landing Gear (MLG) Trunnion Shear Web FS472-496 LHS/RHS ECP-XXXH: F-35A Rudder Earth Bracket</p> <p>Funding under this effort in FY2024 is also required to support Structural Life Limited Mods material, installation labor and associated support costs at Ogden Air Logistics Complex and Contractor Field Team locations for F-35A inductions. This includes modifications management, depot site support, and depot over and above activities. Over and above tasks consist of supplementary actions necessary to safely return inducted aircraft to flight status prior to completing the modification event. Additional ECPs may be added to the installation schedule as they are awarded and become supportable with material and tooling.</p> <p>F-35A modification installation hours will increase by 14.5 percent to 107,892 hours in FY2024. Failure to fund, or a decrease in funds, will result in aircraft overflying projected life limits, resulting in increased field maintenance inspections, increase in unscheduled aircraft downtime due to identified repairs, and potential aircraft grounding. F-35A SLLP2 modifications are projected to complete in FY2031.</p> <p>Milestone/Development Status</p> <p>Ogden Air Logistics complex will expand from 19 to 30 available docks in 2024. Additionally, engineering will be released for all SLLP2 ECPs by the end of 2023.</p>		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F03500 / F-35 Modifications					Modification Number / Title: 5 / Correction of Deficiencies			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-35A				Modification Type: Other				Related RDT&E PEs: 0604840F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 30: 1) Correction of Deficiencies (roll-up & install) [B-kits]													
A Kits													
Recurring													
1) Correction of Deficiencies (roll-up & install) [B-kits]:INSTALL KITS Group A (Active)	45 / 53.749	45 / 9.655	56 / 12.118	43 / 12.759	- / -	43 / 12.759	35 / 14.844	35 / 14.918	101 / 12.397	- / -	- / -	360 / 130.440	
Subtotal: Recurring	- / 53.749	- / 9.655	- / 12.118	- / 12.759	- / -	- / 12.759	- / 14.844	- / 14.918	- / 12.397	- / -	- / -	- / 130.440	
Subtotal: 1) Correction of Deficiencies (roll-up & install) [B-kits]	- / 53.749	- / 9.655	- / 12.118	- / 12.759	- / -	- / 12.759	- / 14.844	- / 14.918	- / 12.397	- / -	- / -	- / 130.440	
Modification Item 2 of 30: 1.1) CoD ECP-1383C1 VEHICLE MISSION COMPUTER UPGRADE													
B Kits													
Recurring													
1.1) CoD ECP-1383C1 VEHICLE MISSION COMPUTER UPGRADE:EQUIPMENT Group B (Active)	90 / 0.862	45 / 0.435	56 / 0.543	43 / 0.425	- / -	43 / 0.425	35 / 0.267	35 / 0.267	101 / 0.948	- / -	- / -	405 / 3.747	
Subtotal: Recurring	- / 0.862	- / 0.435	- / 0.543	- / 0.425	- / -	- / 0.425	- / 0.267	- / 0.267	- / 0.948	- / -	- / -	- / 3.747	
Subtotal: 1.1) CoD ECP-1383C1 VEHICLE MISSION COMPUTER UPGRADE	- / 0.862	- / 0.435	- / 0.543	- / 0.425	- / -	- / 0.425	- / 0.267	- / 0.267	- / 0.948	- / -	- / -	- / 3.747	
Modification Item 3 of 30: 1.2) CoD ECP-0701 FULLY QUALIFIED F-35A NOSE LANDING GEAR RETROFIT													
B Kits													
Recurring													
1.2) CoD ECP-0701 FULLY QUALIFIED F-35A NOSE LANDING GEAR RETROFIT:EQUIPMENT Group B (Active)	127 / 3.717	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	127 / 3.717	
Subtotal: Recurring	- / 3.717	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.717	
Subtotal: 1.2) CoD ECP-0701 FULLY QUALIFIED F-35A NOSE LANDING GEAR RETROFIT	- / 3.717	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.717	
Modification Item 4 of 30: 1.3) CoD ECP-1008 MOORING RING RETROFIT													
B Kits													
Recurring													
1.3) CoD ECP-1008 MOORING RING RETROFIT:EQUIPMENT Group B (Active)	359 / 9.552	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	359 / 9.552	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F03500 / F-35 Modifications				Modification Number / Title: 5 / Correction of Deficiencies				
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: F-35A			Modification Type: Other				Related RDT&E PEs: 0604840F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<i>Subtotal: Recurring</i>	- / 9.552	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.552
<i>Subtotal: 1.3) CoD ECP-1008 MOORING RING RETROFIT</i>	- / 9.552	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.552
Modification Item 5 of 30: 1.4) CoD ECP-1134 NOSE WHEEL STEERING MOTOR CRACKS												
B Kits												
Recurring												
1.4) CoD ECP-1134 NOSE WHEEL STEERING MOTOR CRACKS: EQUIPMENT Group B (Active)	281 / 7.537	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	281 / 7.537
<i>Subtotal: Recurring</i>	- / 7.537	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.537
<i>Subtotal: 1.4) CoD ECP-1134 NOSE WHEEL STEERING MOTOR CRACKS</i>	- / 7.537	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.537
Modification Item 6 of 30: 4) Structural Life Limited Parts (roll-up & install)												
A Kits												
Recurring												
4) Structural Life Limited Parts (roll-up & install): INSTALL KITS Group A (Active)	1,140 / 0.003	331 / 0.001	605 / 0.001	1,025 / 0.001	- / -	1,025 / 0.001	862 / 0.001	828 / 0.001	730 / 0.001	646 / 0.001	- / -	6,167 / 0.010
<i>Subtotal: Recurring</i>	- / 0.003	- / 0.001	- / 0.001	- / 0.001	- / -	- / 0.001	- / 0.001	- / 0.001	- / 0.001	- / 0.001	- / -	- / 0.010
<i>Subtotal: 4) Structural Life Limited Parts (roll-up & install)</i>	- / 0.003	- / 0.001	- / 0.001	- / 0.001	- / -	- / 0.001	- / 0.001	- / 0.001	- / 0.001	- / 0.001	- / -	- / 0.010
Modification Item 7 of 30: COMMON: Correction of Deficiencies: Equipment Group B												
B Kits												
Recurring												
COMMON: Correction of Deficiencies: Equipment Group B: EQUIPMENT Group B (Active)	- / 1.898	- / 0.490	- / 0.980	- / 0.980	- / -	- / 0.980	- / 2.940	- / -	- / -	- / -	- / -	- / 7.288
<i>Subtotal: Recurring</i>	- / 1.898	- / 0.490	- / 0.980	- / 0.980	- / -	- / 0.980	- / 2.940	- / -	- / -	- / -	- / -	- / 7.288
<i>Subtotal: COMMON: Correction of Deficiencies: Equipment Group B</i>	- / 1.898	- / 0.490	- / 0.980	- / 0.980	- / -	- / 0.980	- / 2.940	- / -	- / -	- / -	- / -	- / 7.288
Modification Item 8 of 30: SLLP ECP-0335/0335R2 FS503 FRAME												
A Kits												
Recurring												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F03500 / F-35 Modifications					Modification Number / Title: 5 / Correction of Deficiencies		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: F-35A				Modification Type: Other				Related RDT&E PEs: 0604840F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
SLLP ECP-0335/0335R2 FS503 FRAME:INSTALL KITS Group A (Active)	100 / 1.388	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 1.388
<i>Subtotal: Recurring</i>	- / 1.388	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.388
<i>Subtotal: SLLP ECP-0335/0335R2 FS503 FRAME</i>	- / 1.388	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.388
Modification Item 9 of 30: SLLP ECP-0428 FS402 RHS FRAME												
A Kits												
Recurring												
SLLP ECP-0428 FS402 RHS FRAME:INSTALL KITS Group A (Active)	130 / 0.052	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 0.052
<i>Subtotal: Recurring</i>	- / 0.052	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.052
<i>Subtotal: SLLP ECP-0428 FS402 RHS FRAME</i>	- / 0.052	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.052
Modification Item 10 of 30: SLLP ECP-0525/0525R1/R2 FS402 UPPER FRAME												
A Kits												
Recurring												
SLLP ECP-0525/0525R1/R2 FS402 UPPER FRAME:INSTALL KITS Group A (Active)	150 / 0.325	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 0.325
<i>Subtotal: Recurring</i>	- / 0.325	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.325
<i>Subtotal: SLLP ECP-0525/0525R1/R2 FS402 UPPER FRAME</i>	- / 0.325	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.325
Modification Item 11 of 30: SLLP ECP-0557 CENTER FUSELAGE F2 FLOOR												
A Kits												
Recurring												
SLLP ECP-0557 CENTER FUSELAGE F2 FLOOR:INSTALL KITS Group A (Active)	79 / 1.422	39 / 0.702	39 / 0.702	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	157 / 2.826
<i>Subtotal: Recurring</i>	- / 1.422	- / 0.702	- / 0.702	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.826
<i>Subtotal: SLLP ECP-0557 CENTER FUSELAGE F2 FLOOR</i>	- / 1.422	- / 0.702	- / 0.702	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.826
Modification Item 12 of 30: SLLP ECP-0628 BULKHEAD FS450, 472, 518 & 556												
A Kits												
Recurring												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F03500 / F-35 Modifications					Modification Number / Title: 5 / Correction of Deficiencies		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: F-35A				Modification Type: Other				Related RDT&E PEs: 0604840F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
SLLP ECP-0628 BULKHEAD FS450, 472, 518 & 556:INSTALL KITS Group A (Active)	24 / 2.185	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 2.185
<i>Subtotal: Recurring</i>	- / 2.185	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.185
<i>Subtotal: SLLP ECP-0628 BULKHEAD FS450, 472, 518 & 556</i>	- / 2.185	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.185
Modification Item 13 of 30: SLLP ECP-0630 FUEL FLOOR FS496-556												
A Kits												
Recurring												
SLLP ECP-0630 FUEL FLOOR FS496-556:INSTALL KITS Group A (Active)	34 / 0.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 0.490
<i>Subtotal: Recurring</i>	- / 0.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.490
<i>Subtotal: SLLP ECP-0630 FUEL FLOOR FS496-556</i>	- / 0.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.490
Modification Item 14 of 30: SLLP ECP-0698 FS496 BULKHEAD TRUNNION												
A Kits												
Recurring												
SLLP ECP-0698 FS496 BULKHEAD TRUNNION:INSTALL KITS Group A (Active)	15 / 0.002	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.002
<i>Subtotal: Recurring</i>	- / 0.002	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.002
<i>Subtotal: SLLP ECP-0698 FS496 BULKHEAD TRUNNION</i>	- / 0.002	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.002
Modification Item 15 of 30: SLLP ECP-0754/0754R1 FS518 BULKHEAD (LRIP 1-12)												
A Kits												
Recurring												
SLLP ECP-0754/0754R1 FS518 BULKHEAD (LRIP 1-12):INSTALL KITS Group A (Active)	200 / 0.332	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	200 / 0.332
<i>Subtotal: Recurring</i>	- / 0.332	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.332
<i>Subtotal: SLLP ECP-0754/0754R1 FS518 BULKHEAD (LRIP 1-12)</i>	- / 0.332	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.332
Modification Item 16 of 30: SLLP ECP-0847 VT FWD SHEAR FITTING BUSH												
A Kits												
Recurring												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F03500 / F-35 Modifications					Modification Number / Title: 5 / Correction of Deficiencies		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: F-35A				Modification Type: Other				Related RDT&E PEs: 0604840F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
SLLP ECP-0847 VT FWD SHEAR FITTING BUSH:INSTALL KITS Group A (Active)	265 / 0.737	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	265 / 0.737
<i>Subtotal: Recurring</i>	- / 0.737	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.737
<i>Subtotal: SLLP ECP-0847 VT FWD SHEAR FITTING BUSH</i>	- / 0.737	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.737
Modification Item 17 of 30: SLLP ECP-1065 F1 FEED TANK UPPER COVERS LIMITED LIFE												
A Kits												
Recurring												
SLLP ECP-1065 F1 FEED TANK UPPER COVERS LIMITED LIFE:INSTALL KITS Group A (Active)	85 / 1.530	83 / 1.494	83 / 1.494	83 / 1.494	- / -	83 / 1.494	- / -	- / -	- / -	- / -	- / -	334 / 6.012
<i>Subtotal: Recurring</i>	- / 1.530	- / 1.494	- / 1.494	- / 1.494	- / -	- / 1.494	- / -	- / -	- / -	- / -	- / -	- / 6.012
<i>Subtotal: SLLP ECP-1065 F1 FEED TANK UPPER COVERS LIMITED LIFE</i>	- / 1.530	- / 1.494	- / 1.494	- / 1.494	- / -	- / 1.494	- / -	- / -	- / -	- / -	- / -	- / 6.012
Modification Item 18 of 30: SLLP ECP-1130 UPPER INLET DUCT LONGERON (Lot 1-12)												
A Kits												
Recurring												
SLLP ECP-1130 UPPER INLET DUCT LONGERON (Lot 1-12):INSTALL KITS Group A (Active)	208 / 1.353	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	208 / 1.353
<i>Subtotal: Recurring</i>	- / 1.353	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.353
<i>Subtotal: SLLP ECP-1130 UPPER INLET DUCT LONGERON (Lot 1-12)</i>	- / 1.353	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.353
Modification Item 19 of 30: SLLP ECP-1220 FS402 UPPER OUTBOARD FRAMES												
A Kits												
Recurring												
SLLP ECP-1220 FS402 UPPER OUTBOARD FRAMES:INSTALL KITS Group A (Active)	137 / 1.233	80 / 0.837	80 / 1.440	80 / 1.440	- / -	80 / 1.440	- / -	- / -	- / -	- / -	- / -	377 / 4.950
<i>Subtotal: Recurring</i>	- / 1.233	- / 0.837	- / 1.440	- / 1.440	- / -	- / 1.440	- / -	- / -	- / -	- / -	- / -	- / 4.950
<i>Subtotal: SLLP ECP-1220 FS402 UPPER OUTBOARD FRAMES</i>	- / 1.233	- / 0.837	- / 1.440	- / 1.440	- / -	- / 1.440	- / -	- / -	- / -	- / -	- / -	- / 4.950
Modification Item 20 of 30: SLLP ECP-1246 LHS METALLIC FWD CHINE LONGERON												
A Kits												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F03500 / F-35 Modifications						Modification Number / Title: 5 / Correction of Deficiencies		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: F-35A				Modification Type: Other				Related RDT&E PEs: 0604840F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Recurring												
SLLP ECP-1246 LHS METALLIC FWD CHINE LONGERON:INSTALL KITS Group A (Active)	136 / 1.055	2 / 0.017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	138 / 1.072
Subtotal: Recurring	- / 1.055	- / 0.017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.072
Subtotal: SLLP ECP-1246 LHS METALLIC FWD CHINE LONGERON	- / 1.055	- / 0.017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.072
Modification Item 21 of 30: SLLP ECP-1406 GUN BLAST SKIN												
A Kits												
Recurring												
SLLP ECP-1406 GUN BLAST SKIN:INSTALL KITS Group A (Active)	- / -	35 / 0.875	35 / 0.875	34 / 0.850	- / -	34 / 0.850	34 / 0.850	- / -	- / -	- / -	- / -	138 / 3.450
Subtotal: Recurring	- / -	- / 0.875	- / 0.875	- / 0.850	- / -	- / 0.850	- / 0.850	- / -	- / -	- / -	- / -	- / 3.450
Subtotal: SLLP ECP-1406 GUN BLAST SKIN	- / -	- / 0.875	- / 0.875	- / 0.850	- / -	- / 0.850	- / 0.850	- / -	- / -	- / -	- / -	- / 3.450
Modification Item 22 of 30: SLLP ECP-1433 FUEL FLOOR FS472-496 (LH)												
A Kits												
Recurring												
SLLP ECP-1433 FUEL FLOOR FS472-496 (LH):INSTALL KITS Group A (Active)	- / -	- / -	92 / 1.116	92 / 1.656	- / -	92 / 1.656	92 / 1.656	92 / 1.656	90 / 1.620	- / -	- / -	458 / 7.704
Subtotal: Recurring	- / -	- / -	- / 1.116	- / 1.656	- / -	- / 1.656	- / 1.656	- / 1.656	- / 1.620	- / -	- / -	- / 7.704
Subtotal: SLLP ECP-1433 FUEL FLOOR FS472-496 (LH)	- / -	- / -	- / 1.116	- / 1.656	- / -	- / 1.656	- / 1.656	- / 1.656	- / 1.620	- / -	- / -	- / 7.704
Modification Item 23 of 30: SLLP ECP-1434 FUEL FLOOR FS472-496 (RH)												
A Kits												
Recurring												
SLLP ECP-1434 FUEL FLOOR FS472-496 (RH):INSTALL KITS Group A (Active)	- / -	- / -	92 / 1.116	92 / 1.656	- / -	92 / 1.656	92 / 1.656	92 / 1.656	90 / 1.620	- / -	- / -	458 / 7.704
Subtotal: Recurring	- / -	- / -	- / 1.116	- / 1.656	- / -	- / 1.656	- / 1.656	- / 1.656	- / 1.620	- / -	- / -	- / 7.704
Subtotal: SLLP ECP-1434 FUEL FLOOR FS472-496 (RH)	- / -	- / -	- / 1.116	- / 1.656	- / -	- / 1.656	- / 1.656	- / 1.656	- / 1.620	- / -	- / -	- / 7.704
Modification Item 24 of 30: SLLP ECP-1435 FS450 BULKHEAD												
A Kits												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F03500 / F-35 Modifications						Modification Number / Title: 5 / Correction of Deficiencies		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: F-35A				Modification Type: Other				Related RDT&E PEs: 0604840F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Recurring												
SLLP ECP-1435 FS450 BULKHEAD:INSTALL KITS Group A (Active)	- / -	- / -	92 / 1.116	92 / 1.656	- / -	92 / 1.656	92 / 1.656	92 / 1.656	90 / 1.620	- / -	- / -	458 / 7.704
<i>Subtotal: Recurring</i>	- / -	- / -	- / 1.116	- / 1.656	- / -	- / 1.656	- / 1.656	- / 1.656	- / 1.620	- / -	- / -	- / 7.704
<i>Subtotal: SLLP ECP-1435 FS450 BULKHEAD</i>	- / -	- / -	- / 1.116	- / 1.656	- / -	- / 1.656	- / 1.656	- / 1.656	- / 1.620	- / -	- / -	- / 7.704
Modification Item 25 of 30: SLLP ECP-1441 FS402 UPPER FRAME												
A Kits												
Recurring												
SLLP ECP-1441 FS402 UPPER FRAME:INSTALL KITS Group A (Active)	- / -	92 / 1.656	92 / 1.116	92 / 1.116	- / -	92 / 1.116	92 / 1.656	92 / 1.656	- / -	- / -	- / -	460 / 7.200
<i>Subtotal: Recurring</i>	- / -	- / 1.656	- / 1.116	- / 1.116	- / -	- / 1.116	- / 1.656	- / 1.656	- / -	- / -	- / -	- / 7.200
<i>Subtotal: SLLP ECP-1441 FS402 UPPER FRAME</i>	- / -	- / 1.656	- / 1.116	- / 1.116	- / -	- / 1.116	- / 1.656	- / 1.656	- / -	- / -	- / -	- / 7.200
Modification Item 26 of 30: SLLP ECP-1689 FS 383 UPPER INBOARD FRAME												
A Kits												
Recurring												
SLLP ECP-1689 FS 383 UPPER INBOARD FRAME:INSTALL KITS Group A (Active)	- / -	- / -	- / -	92 / 1.116	- / -	92 / 1.116	92 / 1.656	92 / 1.656	92 / 1.656	90 / 1.620	- / -	458 / 7.704
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.116	- / -	- / 1.116	- / 1.656	- / 1.656	- / 1.656	- / 1.620	- / -	- / 7.704
<i>Subtotal: SLLP ECP-1689 FS 383 UPPER INBOARD FRAME</i>	- / -	- / -	- / -	- / 1.116	- / -	- / 1.116	- / 1.656	- / 1.656	- / 1.656	- / 1.620	- / -	- / 7.704
Modification Item 27 of 30: SLLP ECP-XXXA - F-35A RUDDER SPAR (2VSH45191/2)												
A Kits												
Recurring												
SLLP ECP-XXXA - F-35A RUDDER SPAR (2VSH45191/2):INSTALL KITS Group A (Active)	- / -	- / -	- / -	92 / 1.116	- / -	92 / 1.116	92 / 1.656	92 / 1.656	92 / 1.656	90 / 1.620	- / -	458 / 7.704
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.116	- / -	- / 1.116	- / 1.656	- / 1.656	- / 1.656	- / 1.620	- / -	- / 7.704
<i>Subtotal: SLLP ECP-XXXA - F-35A RUDDER SPAR (2VSH45191/2)</i>	- / -	- / -	- / -	- / 1.116	- / -	- / 1.116	- / 1.656	- / 1.656	- / 1.656	- / 1.620	- / -	- / 7.704
Modification Item 28 of 30: SLLP ECP-XXXC TRESTLE HINGE BEAM DURABILITY TEST CRACK MOD												
A Kits												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F03500 / F-35 Modifications					Modification Number / Title: 5 / Correction of Deficiencies			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-35A				Modification Type: Other				Related RDT&E PEs: 0604840F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Recurring													
SLLP ECP-XXXC TRESTLE HINGE BEAM DURABILITY TEST CRACK MOD:INSTALL KITS Group A (Active)	- / -	- / -	- / -	92 / 1.116	- / -	92 / 1.116	92 / 1.656	92 / 1.656	92 / 1.656	90 / 1.620	- / -	458 / 7.704	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.116	- / -	- / 1.116	- / 1.656	- / 1.656	- / 1.656	- / 1.620	- / -	- / 7.704	
<i>Subtotal: SLLP ECP-XXXC TRESTLE HINGE BEAM DURABILITY TEST CRACK MOD</i>	- / -	- / -	- / -	- / 1.116	- / -	- / 1.116	- / 1.656	- / 1.656	- / 1.656	- / 1.620	- / -	- / 7.704	
Modification Item 29 of 30: SLLP ECP-XXXH F35A RUDDER EARTH BRACKET													
A Kits													
Recurring													
SLLP ECP-XXXH F35A RUDDER EARTH BRACKET:INSTALL KITS Group A (Active)	- / -	- / -	- / -	92 / 1.116	- / -	92 / 1.116	92 / 1.656	92 / 1.656	92 / 1.656	188 / 3.384	- / -	556 / 9.468	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.116	- / -	- / 1.116	- / 1.656	- / 1.656	- / 1.656	- / 3.384	- / -	- / 9.468	
<i>Subtotal: SLLP ECP-XXXH F35A RUDDER EARTH BRACKET</i>	- / -	- / -	- / -	- / 1.116	- / -	- / 1.116	- / 1.656	- / 1.656	- / 1.656	- / 3.384	- / -	- / 9.468	
Modification Item 30 of 30: SLLP ECP-XXXI MLG TRUNNION SHEAR WEB FS 472-496 LHS/RHS													
A Kits													
Recurring													
SLLP ECP-XXXI MLG TRUNNION SHEAR WEB FS 472-496 LHS/RHS:INSTALL KITS Group A (Active)	- / -	- / -	- / -	92 / 1.116	- / -	92 / 1.116	92 / 1.656	92 / 1.656	92 / 1.656	188 / 3.384	- / -	556 / 9.468	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.116	- / -	- / 1.116	- / 1.656	- / 1.656	- / 1.656	- / 3.384	- / -	- / 9.468	
<i>Subtotal: SLLP ECP-XXXI MLG TRUNNION SHEAR WEB FS 472-496 LHS/RHS</i>	- / -	- / -	- / -	- / 1.116	- / -	- / 1.116	- / 1.656	- / 1.656	- / 1.656	- / 3.384	- / -	- / 9.468	
<i>Subtotal: Procurement, All Modification Items</i>	- / 89.422	- / 16.162	- / 22.617	- / 29.613	- / -	- / 29.613	- / 33.806	- / 30.090	- / 26.486	- / 11.629	- / -	- / 259.825	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / 2.010	- / 1.675	- / 3.655	- / 3.660	- / -	- / 3.660	- / 4.080	- / -	- / -	- / -	- / -	- / 15.080	
GROUP B: TOTAL NONRECURRING	- / 4.992	- / 4.564	- / 3.652	- / 3.762	- / -	- / 3.762	- / 3.875	- / 3.991	- / 4.111	- / 5.588	- / -	- / 34.535	
ICS-Labor	- / 149.161	- / 33.483	- / 30.747	- / 31.975	- / -	- / 31.975	- / 36.091	- / 36.930	- / 38.003	- / 41.383	- / -	- / 297.773	
OTHER GOVT	- / 120.620	- / 2.660	- / 2.489	- / 2.564	- / -	- / 2.564	- / 2.641	- / 2.720	- / 2.801	- / 3.985	- / -	- / 40.480	
<i>Subtotal: Support</i>	- / 76.783	- / 42.382	- / 40.543	- / 41.961	- / -	- / 41.961	- / 46.687	- / 43.641	- / 44.915	- / 50.956	- / -	- / 387.868	
Installation													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 **P-1 Line Item Number / Title:** F03500 / F-35 Modifications **Modification Number / Title:** 5 / Correction of Deficiencies

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

Models of Systems Affected: F-35A **Modification Type:** Other **Related RDT&E PEs:** 0604840F

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Modification Item 1 of 30: 1) Correction of Deficiencies (roll-up & install) [B-kits]	- / -	45 / 10.207	45 / 15.020	56 / 17.425	- / -	56 / 17.425	43 / 17.615	35 / 13.634	35 / 13.635	101 / 21.558	- / -	360 / 109.094
Modification Item 6 of 30: 4) Structural Life Limited Parts (roll-up & install)	630 / 60.279	510 / 13.275	331 / 33.277	605 / 38.116	- / -	605 / 38.116	1,025 / 47.794	862 / 56.860	828 / 56.860	730 / 50.542	646 / 114.323	6,167 / 471.326
<i>Subtotal: Installation</i>	630 / 60.279	555 / 23.482	376 / 48.297	661 / 55.541	- / -	661 / 55.541	1,068 / 65.409	897 / 70.494	863 / 70.495	831 / 72.100	646 / 114.323	6,527 / 580.420
Total												
Total Cost (Procurement + Support + Installation)	226.484	82.026	111.457	127.115	0.000	127.115	145.902	144.225	141.896	134.685	114.323	1,228.113

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 5 / Correction of Deficiencies
---	---	---

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

Modification Item 1 of 30: 1) Correction of Deficiencies (roll-up & install) [B-kits]

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	
Delivery Dates	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027	

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	10 / 2.821	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.821
FY 2022	- / -	- / -	8 / 2.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.900
FY 2023	- / -	- / -	- / -	8 / 2.855	- / -	8 / 2.855	- / -	- / -	- / -	- / -	- / -	8 / 2.855
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.372	- / -	- / -	- / -	- / -	8 / 2.372
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.541	- / -	- / -	- / -	5 / 2.541
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.541	- / -	- / -	7 / 2.541
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.998	- / -	7 / 2.998
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	10 / 2.821	8 / 2.900	8 / 2.855	- / -	8 / 2.855	8 / 2.372	5 / 2.541	7 / 2.541	7 / 2.998	- / -	53 / 19.028

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	1	0	53
Out	0	-	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	1	53

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	35 / 7.386	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 7.386

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2		P-1 Line Item Number / Title: F03500 / F-35 Modifications
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

Modification Item 1 of 30: 1) Correction of Deficiencies (roll-up & install) [B-kits]

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2022	- / -	- / -	37 / 12.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	37 / 12.120
FY 2023	- / -	- / -	- / -	48 / 14.570	- / -	48 / 14.570	- / -	- / -	- / -	- / -	- / -	48 / 14.570
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	35 / 15.243	- / -	- / -	- / -	- / -	35 / 15.243
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 11.093	- / -	- / -	- / -	30 / 11.093
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 11.094	- / -	- / -	28 / 11.094
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	94 / 18.560	- / -	94 / 18.560
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	35 / 7.386	37 / 12.120	48 / 14.570	- / -	48 / 14.570	35 / 15.243	30 / 11.093	28 / 11.094	94 / 18.560	- / -	307 / 90.066

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	9	9	9	8	9	9	9	10	12	12	12	12	9	9	9	8	8	8	7	7	7	7	7	7	23	23	24	24	0	307
Out	0	-	9	9	9	8	9	9	9	10	12	12	12	12	9	9	9	8	8	8	7	7	7	7	7	7	23	23	24	24	307

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 2 of 30: 1.1) CoD ECP-1383C1 VEHICLE MISSION COMPUTER UPGRADE							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate						Installation Quantity: 0	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 3 of 30: 1.2) CoD ECP-0701 FULLY QUALIFIED F-35A NOSE LANDING GEAR RETROFIT							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 4 of 30: 1.3) CoD ECP-1008 MOORING RING RETROFIT							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 5 of 30: 1.4) CoD ECP-1134 NOSE WHEEL STEERING MOTOR CRACKS							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 5 / Correction of Deficiencies
---	---	---

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

Modification Item 6 of 30: 4) Structural Life Limited Parts (roll-up & install)

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027
Delivery Dates	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027	Dec 2028

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	33 / 2.822	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 2.822
FY 2022	- / -	- / -	34 / 2.329	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 2.329
FY 2023	- / -	- / -	- / -	34 / 2.678	- / -	34 / 2.678	- / -	- / -	- / -	- / -	- / -	34 / 2.678
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	34 / 2.712	- / -	- / -	- / -	- / -	34 / 2.712
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 2.744	- / -	- / -	- / -	34 / 2.744
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 2.744	- / -	- / -	34 / 2.744
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 2.744	- / -	34 / 2.744
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	33 / 2.822	34 / 2.329	34 / 2.678	- / -	34 / 2.678	34 / 2.712	34 / 2.744	34 / 2.744	34 / 2.744	- / -	237 / 18.773

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	8	8	8	9	9	8	9	8	9	8	9	8	9	8	9	8	9	8	9	8	9	8	9	8	9	8	9	8	0	237
Out	0	-	8	8	8	9	9	8	9	8	9	8	9	8	9	8	9	8	9	8	9	8	9	8	9	8	9	8	9	8	237

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	630 / 60.279	477 / 10.453	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,107 / 70.732

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 5 / Correction of Deficiencies
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

Modification Item 6 of 30: 4) Structural Life Limited Parts (roll-up & install)

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2022	- / -	- / -	297 / 30.948	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	297 / 30.948
FY 2023	- / -	- / -	- / -	571 / 35.438	- / -	571 / 35.438	- / -	- / -	- / -	- / -	- / -	571 / 35.438
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	991 / 45.082	- / -	- / -	- / -	- / -	991 / 45.082
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	828 / 54.116	- / -	- / -	- / -	828 / 54.116
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	794 / 54.116	- / -	- / -	794 / 54.116
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	696 / 47.798	- / -	696 / 47.798
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	646 / 114.323	646 / 114.323
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	630 / 60.279	477 / 10.453	297 / 30.948	571 / 35.438	- / -	571 / 35.438	991 / 45.082	828 / 54.116	794 / 54.116	696 / 47.798	646 / 114.323	5,930 / 452.553

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	630	119	120	119	119	74	74	74	75	142	143	143	143	247	248	248	248	207	207	207	207	199	199	198	198	174	174	174	174	646	5,930	
Out	518	112	119	120	119	119	74	74	74	75	142	143	143	143	247	248	248	248	207	207	207	207	199	199	198	198	174	174	174	174	820	5,930

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 7 of 30: COMMON: Correction of Deficiencies: Equipment Group B							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 8 of 30: SLLP ECP-0335/0335R2 FS503 FRAME							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 100		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 9 of 30: SLLP ECP-0428 FS402 RHS FRAME							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 130		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 10 of 30: SLLP ECP-0525/0525R1/R2 FS402 UPPER FRAME							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 150		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 11 of 30: SLLP ECP-0557 CENTER FUSELAGE F2 FLOOR							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022					
Delivery Dates	Dec 2022	Dec 2023					
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 157		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 12 of 30: SLLP ECP-0628 BULKHEAD FS450, 472, 518 & 556							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 24		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 13 of 30: SLLP ECP-0630 FUEL FLOOR FS496-556							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 34		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 14 of 30: SLLP ECP-0698 FS496 BULKHEAD TRUNNION							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 15		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 15 of 30: SLLP ECP-0754/0754R1 FS518 BULKHEAD (LRIP 1-12)							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 200		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 16 of 30: SLLP ECP-0847 VT FWD SHEAR FITTING BUSH							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 265		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 17 of 30: SLLP ECP-1065 F1 FEED TANK UPPER COVERS LIMITED LIFE							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022	Dec 2023				
Delivery Dates	Dec 2022	Dec 2023	Dec 2024				
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 334		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 18 of 30: SLLP ECP-1130 UPPER INLET DUCT LONGERON (Lot 1-12)							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 208		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 19 of 30: SLLP ECP-1220 FS402 UPPER OUTBOARD FRAMES							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022	Dec 2023				
Delivery Dates	Dec 2022	Dec 2023	Dec 2024				
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 377		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 20 of 30: SLLP ECP-1246 LHS METALLIC FWD CHINE LONGERON							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021						
Delivery Dates	Dec 2022						
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 138		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 21 of 30: SLLP ECP-1406 GUN BLAST SKIN							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024			
Delivery Dates	Dec 2022	Dec 2023	Dec 2024	Dec 2025			
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 138		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 22 of 30: SLLP ECP-1433 FUEL FLOOR FS472-496 (LH)							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth, TX			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	
Delivery Dates		Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027	
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 458		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 23 of 30: SLLP ECP-1434 FUEL FLOOR FS472-496 (RH)							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Wroth, TX			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	
Delivery Dates		Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027	
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 458		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 24 of 30: SLLP ECP-1435 FS450 BULKHEAD							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth, TX			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	
Delivery Dates		Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027	
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 458		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 25 of 30: SLLP ECP-1441 FS402 UPPER FRAME							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025		
Delivery Dates	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026		
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 460		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 26 of 30: SLLP ECP-1689 FS 383 UPPER INBOARD FRAME							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027
Delivery Dates			Dec 2024	Dec 2025	Dec 2026	Dec 2027	Dec 2028
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 458		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 27 of 30: SLLP ECP-XXXX - F-35A RUDDER SPAR (2VSH45191/2)							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027
Delivery Dates			Dec 2024	Dec 2025	Dec 2026	Dec 2027	Dec 2028
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 458		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 28 of 30: SLLP ECP-XXXX TRESTLE HINGE BEAM DURABILITY TEST CRACK MOD							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027
Delivery Dates			Dec 2024	Dec 2025	Dec 2026	Dec 2027	Dec 2028
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 458		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 29 of 30: SLLP ECP-XXXH F35A RUDDER EARTH BRACKET							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027
Delivery Dates			Dec 2024	Dec 2025	Dec 2026	Dec 2027	Dec 2028
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 556		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 5 / Correction of Deficiencies	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 30 of 30: SLLP ECP-XXXI MLG TRUNNION SHEAR WEB FS 472-496 LHS/RHS							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027
Delivery Dates			Dec 2024	Dec 2025	Dec 2026	Dec 2027	Dec 2028
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 556		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F03500 / F-35 Modifications						Modification Number / Title: 6 / Block 4 Modifications		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	61.793	149.488	204.539	291.233	0.000	291.233	379.562	384.094	403.467	415.679	350.350	2,640.205
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	61.793	149.488	204.539	291.233	0.000	291.233	379.562	384.094	403.467	415.679	350.350	2,640.205
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	61.793	149.488	204.539	291.233	0.000	291.233	379.562	384.094	403.467	415.679	350.350	2,640.205
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Block 4 Program is established to retrofit advanced capabilities on the F-35 to increase the capability and lethality of the weapon system to meet current and future threats. Funding is required to upgrade Low Rate Initial Production (LRIP) aircraft to a Lot 19 Production hardware configuration. Block 4 incorporation will not follow the traditional Block upgrade approach; instead, modifications will be performed through a Continuous Capability Development and Delivery (C2D2) Concept that entails upgrades to both hardware and software on fielded aircraft on a yearly basis. The current modification incorporation schedule lags production by one year. The program will maintain that schedule for subsequent lots pending part qualification dates.

The Block 4 program is a series of 66+ individual required capabilities. Hardware required to enable capability will be incorporated in production aircraft Lots 15-19. Hardware retrofit Engineering Change Proposals (ECPs) are required to deliver each Lot's capabilities to fielded aircraft. The program refers to the combination of ECPs required to match a Lot 15 production aircraft's full set of capabilities as a Lot 15 hardware retrofit kit. Each lot configuration from the production line is a new full set of explicit and individual capabilities and associated Retrofit ECPs. The final set of the 66+ capabilities for Block 4 are enabled by installing a Lot 19 hardware retrofit kit. As an example, a Lot 14 production aircraft needs a Lot 15 kit, a Lot 16 kit, a Lot 17 kit, and a Lot 19 kit to deliver all 66+ capabilities, but each individual kit delivers capability.

This effort includes, but not limited to, the below capabilities and associated modification install timelines:

FY2024 (Lot 15)

Technical Refresh 3 (TR-3), Next Generation Distributed Aperture System (Next Gen DAS), Cooling Mod, High Efficiency Low Voltage Power Supply, (HE-LVPS), Electronic Warfare Rack 2 Integrated Backplane Architecture (IBA), Radio Frequency Converter (RFC), and Fuel Conduit Mod.

- 1) ECP 1609 - TR-3 integrates new Integrated Core Processor (ICP), Panoramic Cockpit Display, and Aircraft Memory System to meet Block 4 processing, memory, and throughput requirements.
- 2) ECP 1610
 - Next Gen DAS replaces current DAS due to sensor reliability while increasing performance to provide larger pixel focal plane array and higher operating temperatures.
 - Cooling Upgrade Phase 1 increases cooling capacity to support electronic warfare growth and addition of Full Motion Video (FMV).
 - HE-LVPS required for EW mods increases power flexibility.
 - Rack 2 IBA and RFC replace legacy EW racks to accommodate modernized EW modules

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 6 / Block 4 Modifications
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:
<p>3) ECP 1323 - Fuel Conduit Mod enables alternate wire routing for Block 4 upgrades for Pre-Lot 15 Aircraft to eliminate the need to route wiring through the dead zone and accommodates future wiring needs.</p> <p>FY2025 (Lot 16)</p> <p>Advanced Communication, Navigation, Identification Processor (ACNIP) and CNI Avionics Interface Controller (CAIC):</p> <ul style="list-style-type: none"> - ACNIP and CAIC provide increased processing capabilities to support Concurrent Multi-Netting (CMN-4) capabilities - Band 3/4 Array Electronic Modules (AEM) - replaces legacy AEMs to support Electronic Countermeasures capabilities <p>FY2027 (Lot 17)</p> <p>Modernized Electronic Warfare Controller (M-EWC), and Modernized Electronic Warfare Processor (M-EWP), EW Group 2 , Domain Controller Radar Control Processor (DCRCP), and Cooling Upgrade Phase 2:</p> <ul style="list-style-type: none"> - M-EWC/EWP increases 8-core processors (SDD) to 32-core, providing more than 3 times the processing performance for running advance algorithms and supporting the transition from 12 Receivers (SDD) to 20 Receivers - EW Group 2 adds technology to address the Advancing Threats, to detect and counter the Low Probability of Intercept (LPI) Emitter ; includes , Aircraft Interface Module (ACIF), M-Quad Upconverter (M-QUC), M-Quad Tuner (M-QTM), M-Digital Channelized Receiver (DCR), M-DCR and Techniques Receiver (DCRTG), M-Analog-to-Digital Converter (ADC) - DCRCP enables increased processing, memory, and throughput - Cooling Upgrade Phase 2 increases cooling capacity to support electronic warfare growth and FMV <p>FY2027 (Lot 19)</p> <p>Advanced Multi Channel Transceiver Receiver (AMCTR), Integrated CNI (ICNI) Rack 3A and 3B Backplane, Full Motion Video, Embedded GPS and Inertial Navigation System (EGI), Band 2/3/4/5 Electronic Warfare, and Countermeasures Controller (CMC), (EW) Hardware (HW) and EW Group 2 HW:</p> <ul style="list-style-type: none"> - AMCTR provides MIDS Modernization Increment 1 (MMI) CMN and Concurrent Contention Receive (CCR) capabilities - FMV adds the capability to receive encrypted and unencrypted full motion video and still imagery from Operational Facilities and Remote Video Terminals - ICNI Rack 3A and 3B Backplane - Meet C2D2/ Block 4 processing, memory, and throughput requirements - EGI is a hardware enabler for M-Code/Automatic Dependent Surveillance-Broadcast/Required Navigation Performance/area navigation capabilities - Band 2/3/4/5 EW HW provides Band 2&5 Radar Warning Receiver (RWR) functionality by adding Band 2 Nose Landing Gear Door (NLGD) Aperture, Band 3/4 NLGD Aperture, Band 2/3/4 AEM, Band 5 Multifunction Advanced Data Link (MADL) Array Antenna Assembly (AAA) and Array Interface Unit (AIU), and Band 5 IM - EW Group 2 HW includes Wideband Receiver (WBR), Wideband Notch Filter Module (NFM), Band 2/5 Switch Matrix Module (SMM), M-Radio Frequency Converter,(M-RFC) and High Voltage Power Supply (HVPS) - adds technology to address the Advancing Threats, to detect and counter the LPI Emitter while providing Band 5 RWR functionality. - CMC adds capability for smart programmable dispenser capability <p>Note:</p> <p>TR-3/Block 4 retrofit installations were pushed one year later than production to account for manufacturing ramp rate and technical risk associated with hardware availability. Manufacturing capacity is projected to be 70 percent in the first year of procurement and 100 percent in subsequent years for all lots.</p>		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 6 / Block 4 Modifications
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:
<p>Integrated Contractor Support (ICS): ICS is required for program support and to support changes driven by Block 4 upgrades to fielded systems to include ALIS, Training (full motion simulator), Joint Reprogramming Enterprise (JRE) impacts, and support equipment.</p> <p>In FY2024, program will purchase equipment necessary to begin upgrading the pilot training devices to match the retrofitted Block 4 aircraft. Training system upgrades will ensure the simulator matches the aircraft increasing the effectivity of the training reducing aircraft flight hours. Additionally, training on a simulator that does not match the aircraft can lead to potential mishaps in aircraft operations.</p> <p>Unit, organic depot, or contractor field teams will complete the modification installs.</p> <p>Milestone/Development Status</p> <p>DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FY2024 continues the progression of the Block 4 retrofit program kit purchases. FY2022 was the first year of procurement for TR-3 Block 4 capabilities with TR-3 deliveries planned for FY2024. In FY2023, the program began purchasing Lot 16 and Lot 17 retrofit kits to deliver additional Block 4 capabilities. In FY2024, the program plans to begin kit procurements for Lot 19 hardware while continuing to buy Lot 15, 16, and 17 kits. The program will begin installing Lot 15/ TR-3 kits in calendar year 2024. Additionally, the program will begin purchasing the upgrades for the training systems necessary to train pilots for Block 4 operations.</p> <p>JUSTIFICATION: FY2024 will see simultaneous purchases of Lot 15, Lot 16, Lot 17, and Lot 19 retrofit kits in order to release capability to the field as quickly as prudently possible. Lot 15 kit purchases have been reduced to the minimum amount required to maintain the pace of Lot 17 and Lot 19 upgrades. The USAF requires 237 TR-3 upgrades to LRIP 11-14 aircraft in order to complete all of the Lot 17/19 upgrades. The hardware in the Lot 17/19 retrofit kits will enable many of the Block 4 capabilities.</p>		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F03500 / F-35 Modifications				Modification Number / Title: 6 / Block 4 Modifications				
ID Code (A=Service Ready, B=Not Service Ready) : B						MDAP/MAIS Code:						
Models of Systems Affected: F-35A				Modification Type: Capability Improvement				Related RDT&E PEs: 0604840F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 6: COMMON: Block 4 B Kits												
B Kits												
Recurring												
COMMON: Block 4 B Kits:EQUIPMENT Group B (Active)	- / 15.940	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.940
Subtotal: Recurring	- / 15.940	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.940
Subtotal: COMMON: Block 4 B Kits	- / 15.940	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.940
Modification Item 2 of 6: Lot 15												
A Kits												
Recurring												
Lot 15:INSTALL KITS Group A (Active)	- / -	60 / 144.000	68 / 163.200	27 / 64.800	- / -	27 / 64.800	25 / 60.000	38 / 91.200	34 / 81.600	70 / 168.000	56 / 134.400	378 / 907.200
Subtotal: Recurring	- / -	- / 144.000	- / 163.200	- / 64.800	- / -	- / 64.800	- / 60.000	- / 91.200	- / 81.600	- / 168.000	- / 134.400	- / 907.200
Subtotal: Lot 15	- / -	- / 144.000	- / 163.200	- / 64.800	- / -	- / 64.800	- / 60.000	- / 91.200	- / 81.600	- / 168.000	- / 134.400	- / 907.200
Modification Item 3 of 6: Lot 16												
A Kits												
Recurring												
Lot 16:INSTALL KITS Group A (Active)	- / -	- / -	60 / 6.000	97 / 9.700	- / -	97 / 9.700	88 / 8.800	42 / 4.200	- / -	- / -	- / -	287 / 28.700
Subtotal: Recurring	- / -	- / -	- / 6.000	- / 9.700	- / -	- / 9.700	- / 8.800	- / 4.200	- / -	- / -	- / -	- / 28.700
Subtotal: Lot 16	- / -	- / -	- / 6.000	- / 9.700	- / -	- / 9.700	- / 8.800	- / 4.200	- / -	- / -	- / -	- / 28.700
Modification Item 4 of 6: Lot 17												
A Kits												
Recurring												
Lot 17:INSTALL KITS Group A (Active)	- / -	- / -	20 / 27.000	41 / 55.350	- / -	41 / 55.350	80 / 108.000	76 / 102.600	80 / 108.000	16 / 21.600	15 / 20.250	328 / 442.800
Subtotal: Recurring	- / -	- / -	- / 27.000	- / 55.350	- / -	- / 55.350	- / 108.000	- / 102.600	- / 108.000	- / 21.600	- / 20.250	- / 442.800
Subtotal: Lot 17	- / -	- / -	- / 27.000	- / 55.350	- / -	- / 55.350	- / 108.000	- / 102.600	- / 108.000	- / 21.600	- / 20.250	- / 442.800
Modification Item 5 of 6: Lot 19												
A Kits												
Recurring												
Lot 19:INSTALL KITS Group A (Active)	- / -	- / -	- / -	60 / 122.400	- / -	60 / 122.400	80 / 163.200	80 / 163.200	80 / 163.200	80 / 163.200	9 / 18.360	389 / 793.560
Subtotal: Recurring	- / -	- / -	- / -	- / 122.400	- / -	- / 122.400	- / 163.200	- / 163.200	- / 163.200	- / 163.200	- / 18.360	- / 793.560
Subtotal: Lot 19	- / -	- / -	- / -	- / 122.400	- / -	- / 122.400	- / 163.200	- / 163.200	- / 163.200	- / 163.200	- / 18.360	- / 793.560

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F03500 / F-35 Modifications					Modification Number / Title: 6 / Block 4 Modifications			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-35A				Modification Type: Capability Improvement				Related RDT&E PEs: 0604840F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Modification Item 6 of 6: Mag Retainer Plate													
A Kits													
Recurring													
Mag Retainer Plate:INSTALL KITS Group A (Active)	215 / 1.241	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	215 / 1.241	
Subtotal: Recurring	- / 1.241	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.241	
Subtotal: Mag Retainer Plate	- / 1.241	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.241	
Subtotal: Procurement, All Modification Items	- / 17.181	- / 144.000	- / 196.200	- / 252.250	- / -	- / 252.250	- / 340.000	- / 361.200	- / 352.800	- / 352.800	- / 173.010	- / 2,189.441	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 15.932	- / 1.195	- / 1.732	- / 1.607	- / -	- / 1.607	- / 1.464	- / 1.462	- / 1.462	- / 1.462	- / -	- / 26.316	
OTHER GOVT	- / 19.245	- / 1.950	- / 4.155	- / 6.359 ⁽¹⁾	- / -	- / 6.359	- / 10.485	- / -	- / -	- / -	- / -	- / 32.194	
ICS-Labor	- / 9.435	- / 2.343	- / 2.452	- / 2.343 ⁽²⁾	- / -	- / 2.343	- / 5.529	- / 3.503	- / 3.185	- / 2.660	- / 3.000	- / 34.450	
SIM/TRAINER	- / -	- / -	- / -	- / 8.874 ⁽³⁾	- / -	- / 8.874	- / 9.644	- / 9.019	- / 9.970	- / 8.407	- / -	- / 45.914	
Subtotal: Support	- / 44.612	- / 5.488	- / 8.339	- / 19.183	- / -	- / 19.183	- / 17.122	- / 13.984	- / 14.617	- / 12.529	- / 3.000	- / 138.874	
Installation													
Modification Item 2 of 6: Lot 15	- / -	- / -	- / -	60 / 19.800	- / -	60 / 19.800	68 / 22.440	27 / 8.910	25 / 8.250	38 / 12.540	160 / 52.800	378 / 124.740	
Modification Item 3 of 6: Lot 16	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 0.600	97 / 0.970	130 / 1.300	287 / 2.870	
Modification Item 4 of 6: Lot 17	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.800	41 / 1.640	267 / 10.680	328 / 13.120	
Modification Item 5 of 6: Lot 19	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 26.400	80 / 35.200	249 / 109.560	389 / 171.160	
Subtotal: Installation	- / -	- / -	- / -	60 / 19.800	- / -	60 / 19.800	68 / 22.440	27 / 8.910	165 / 36.050	256 / 50.350	806 / 174.340	1,382 / 311.890	
Total													
Total Cost (Procurement + Support + Installation)	61.793	149.488	204.539	291.233	0.000	291.233	379.562	384.094	403.467	415.679	350.350	2,640.205	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 6 / Block 4 Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 6: COMMON: Block 4 B Kits							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 6 / Block 4 Modifications
---	---	--

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

Modification Item 2 of 6: Lot 15

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth, TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 24

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027
Delivery Dates	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027	Dec 2028	Dec 2029

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	60 / 19.800	- / -	60 / 19.800	- / -	- / -	- / -	- / -	- / -	60 / 19.800
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	68 / 22.440	- / -	- / -	- / -	- / -	68 / 22.440
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 8.910	- / -	- / -	- / -	27 / 8.910
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 8.250	- / -	- / -	25 / 8.250
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 12.540	- / -	38 / 12.540
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 11.220	34 / 11.220
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 23.100	70 / 23.100
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	56 / 18.480	56 / 18.480
Total	- / -	- / -	- / -	60 / 19.800	- / -	60 / 19.800	68 / 22.440	27 / 8.910	25 / 8.250	38 / 12.540	160 / 52.800	378 / 124.740

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	15	15	15	15	17	17	17	17	7	7	7	6	6	6	6	7	9	10	10	9	160	378
Out	0	-	-	-	-	-	-	-	-	-	15	15	15	15	17	17	17	17	7	7	7	6	6	6	6	7	9	10	10	169	378

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 6 / Block 4 Modifications
---	---	--

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

Modification Item 3 of 6: Lot 16

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth, TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 24

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Dec 2022	Dec 2023	Dec 2024	Dec 2025		
Delivery Dates		Dec 2024	Dec 2025	Dec 2026	Dec 2027		

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 0.600	- / -	- / -	60 / 0.600
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	97 / 0.970	- / -	97 / 0.970
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	88 / 0.880	88 / 0.880
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	42 / 0.420	42 / 0.420
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 0.600	97 / 0.970	130 / 1.300	287 / 2.870

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	15	15	15	25	25	24	23	130	287
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	15	15	15	25	25	24	153	287

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 6 / Block 4 Modifications

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

Modification Item 4 of 6: Lot 17

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth, TX
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 36

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	Mar 2028
Delivery Dates		Mar 2026	Mar 2027	Mar 2028	Mar 2029	Mar 2030	Mar 2031

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.800	- / -	- / -	20 / 0.800
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 1.640	- / -	41 / 1.640
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 3.200	80 / 3.200
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 3.040	76 / 3.040
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 3.200	80 / 3.200
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.640	16 / 0.640
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.600	15 / 0.600
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.800	41 / 1.640	267 / 10.680	328 / 13.120

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	5	10	10	10	11	267	328
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	5	10	10	10	278	328

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 6 / Block 4 Modifications
---	---	--

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

Modification Item 5 of 6: Lot 19

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth, TX
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 24

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Mar 2024	Mar 2025	Mar 2026	Mar 2027	Mar 2028
Delivery Dates			Mar 2026	Mar 2027	Mar 2028	Mar 2029	Mar 2030

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 26.400	- / -	- / -	60 / 26.400
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 35.200	- / -	80 / 35.200
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 35.200	80 / 35.200
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 35.200	80 / 35.200
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 35.200	80 / 35.200
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.960	9 / 3.960
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 26.400	80 / 35.200	249 / 109.560	389 / 171.160

Installation Schedule

PYS	In	Out	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	15	15	15	20	20	20	20	249	389
	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	15	15	15	20	20	20	269	389

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F03500 / F-35 Modifications			Modification Number / Title: 6 / Block 4 Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 6 of 6: Mag Retainer Plate							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Fort Worth			
Administrative Leadtime (in Months): 5				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 215		
<p>Footnotes:</p> <p>(1) Other Gov't support costs consist of Capacity Tooling</p> <p>(2) ICS is required to support changes driven by Block 4 upgrades to fielded systems to include ALIS, Training Systems (simulators), JRE impacts, and support equipment.</p> <p>(3) In FY2024, program will purchase equipment necessary to begin upgrading the pilot training devices to match the retrofitted Block 4 aircraft. Training system upgrades will ensure the simulator matches the aircraft increasing the effectivity of the training reducing aircraft flight hours. Additionally, training on a simulator that does not match the aircraft can lead to potential mishaps in aircraft operations.</p>							

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force	Date: March 2023
---	-------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 7 / Propulsion
---	---	---

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	6.200	11.000	12.000	0.000	12.000	12.000	12.000	3.400	10.000	0.000	66.600
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	6.200	11.000	12.000	0.000	12.000	12.000	12.000	3.400	10.000	0.000	66.600
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	6.200	11.000	12.000	0.000	12.000	12.000	12.000	3.400	10.000	0.000	66.600

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

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

Description:

This Propulsion Program is established for the correction of propulsion related readiness degraders impacting F-35 CTOL Reliability Maintainability and Availability (RM&A), production deficiencies, obsolescence, and reduction of life-cycle costs. These modifications (MODs) will be accomplished by field or depot retrofit and implemented to coincide with resources and aircraft availability. To meet the goal of increasing readiness, the propulsion systems must be modified as critical RM&A issues are identified. Funds will be used to manage, prepare, process, and incorporate Engineering Change Proposals. The reliability and readiness initiatives included in the proposed category are projected to have a significant positive impact to the F-35 CTOL F135 Propulsion systems.

Propulsion programs include but are not limited to Lockwireless Fittings, Thrust Recovery, Multi-attitude Deaerator (MAD) Gearbox redesign, Main Fuel Throttle Valve (MFTV) Bellows/Electro-Hydraulic Servo Valve (EHSV), Gearbox Idler; Nozzle Wear Tilt Improvement, and Heaterless Nosecone Elimination.

Milestone/Development Status

FY 2023 was the initial procurement year for material. Installation conducted at the organic depot.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F03500 / F-35 Modifications					Modification Number / Title: 7 / Propulsion			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-35A				Modification Type: Other				Related RDT&E PEs: 0604840F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Propulsion B Kits</i>													
A Kits													
Recurring													
Propulsion B Kits:INSTALL KITS Group A (Active)	- / -	29 / 5.800	57 / 9.000	43 / 8.600	- / -	43 / 8.600	37 / 7.400	43 / 8.600	- / -	- / -	- / -	209 / 39.400	
<i>Subtotal: Recurring</i>	- / -	- / 5.800	- / 9.000	- / 8.600	- / -	- / 8.600	- / 7.400	- / 8.600	- / -	- / -	- / -	- / 39.400	
<i>Subtotal: Propulsion B Kits</i>	- / -	- / 5.800	- / 9.000	- / 8.600	- / -	- / 8.600	- / 7.400	- / 8.600	- / -	- / -	- / -	- / 39.400	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 5.800	- / 9.000	- / 8.600	- / -	- / 8.600	- / 7.400	- / 8.600	- / -	- / -	- / -	- / 39.400	
Support (All Modification Items)													
OTHER GOVT	- / -	- / 0.400	- / 0.600	- / 1.000	- / -	- / 1.000	- / 1.000	- / 1.000	- / 1.000	- / 10.000	- / -	- / 15.000	
<i>Subtotal: Support</i>	- / -	- / 0.400	- / 0.600	- / 1.000	- / -	- / 1.000	- / 1.000	- / 1.000	- / 1.000	- / 10.000	- / -	- / 15.000	
Installation													
<i>Modification Item 1 of 1: Propulsion B Kits</i>	- / -	- / -	29 / 1.400	57 / 2.400	- / -	57 / 2.400	43 / 3.600	37 / 2.400	43 / 2.400	- / -	- / -	209 / 12.200	
<i>Subtotal: Installation</i>	- / -	- / -	29 / 1.400	57 / 2.400	- / -	57 / 2.400	43 / 3.600	37 / 2.400	43 / 2.400	- / -	- / -	209 / 12.200	
Total													
Total Cost (Procurement + Support + Installation)	0.000	6.200	11.000	12.000	0.000	12.000	12.000	12.000	3.400	10.000	0.000	66.600	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F03500 / F-35 Modifications						Modification Number / Title: 7 / Propulsion																				
ID Code (A=Service Ready, B=Not Service Ready) : B											MDAP/MAIS Code:																				
Modification Item 1 of 1: Propulsion B Kits																															
Manufacturer Information																															
Manufacturer Name: Pratt & Whitney											Manufacturer Location: Hartford, CT																				
Administrative Leadtime (in Months): 2											Production Leadtime (in Months): 12																				
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028																								
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026																									
Delivery Dates	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026																										
Installation Information																															
Method of Implementation: Depot																															
Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2022	- / -	- / -	29 / 1.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 1.400																		
FY 2023	- / -	- / -	- / -	57 / 2.400	- / -	57 / 2.400	- / -	- / -	- / -	- / -	- / -	- / -	57 / 2.400																		
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	43 / 3.600	- / -	- / -	- / -	- / -	- / -	43 / 3.600																		
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	37 / 2.400	- / -	- / -	- / -	- / -	37 / 2.400																		
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / 2.400	- / -	- / -	- / -	43 / 2.400																		
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total	- / -	- / -	29 / 1.400	57 / 2.400	- / -	57 / 2.400	43 / 3.600	37 / 2.400	43 / 2.400	- / -	- / -	- / -	209 / 12.200																		
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	7	7	7	8	14	14	15	14	11	11	11	10	10	9	9	9	10	11	11	11	-	-	-	-	0	209
Out	0	-	-	-	-	-	7	7	7	8	14	14	15	14	11	11	11	10	10	9	9	9	10	11	11	11	-	-	-	0	209

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 8 / Reliability and Maintainability

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	2.100	5.100	4.500	0.000	4.500	4.500	3.500	5.810	5.748	1.358	32.616
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	2.100	5.100	4.500	0.000	4.500	4.500	3.500	5.810	5.748	1.358	32.616
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	2.100	5.100	4.500	0.000	4.500	4.500	3.500	5.810	5.748	1.358	32.616

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

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

Description:

This effort is established for the correction of readiness degraders impacting F-35A cost per flight hour; Reliability, Maintainability, and Availability (RM&A); obsolescence; and reduction of life-cycle costs. These modifications will be accomplished by field mod team and implemented to coincide with resources and aircraft availability.

In order to meet the goal of increasing readiness, the airframe and integrated systems must be modified as critical RM&A issues are identified. Funds will be used to manage, prepare, process and incorporate Engineering Change Proposals (ECPs). Individual ECPs will be listed once identified. The reliability and readiness initiatives included in the proposed effort are projected to have a significant positive impact to the F-35A platform.

Milestone/Development Status

FY2022 was determined to be the transition point from correction of deficiencies to Reliability & Maintainability.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F03500 / F-35 Modifications						Modification Number / Title: 8 / Reliability and Maintainability		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: F-35A				Modification Type: Reliability & Maintainability				Related RDT&E PEs: 0604840F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1: Reliability & Maintainability A Kits</i>												
A Kits												
Recurring												
Reliability & Maintainability A Kits:INSTALL KITS Group A (Active)	- / -	21 / 1.600	81 / 4.200	78 / 2.000	- / -	78 / 2.000	28 / 2.200	55 / 2.200	55 / 3.952	55 / 3.890	- / -	373 / 20.042
<i>Subtotal: Recurring</i>	- / -	- / 1.600	- / 4.200	- / 2.000	- / -	- / 2.000	- / 2.200	- / 2.200	- / 3.952	- / 3.890	- / -	- / 20.042
<i>Subtotal: Reliability & Maintainability A Kits</i>	- / -	- / 1.600	- / 4.200	- / 2.000	- / -	- / 2.000	- / 2.200	- / 2.200	- / 3.952	- / 3.890	- / -	- / 20.042
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 1.600	- / 4.200	- / 2.000	- / -	- / 2.000	- / 2.200	- / 2.200	- / 3.952	- / 3.890	- / -	- / 20.042
Support (All Modification Items)												
OTHER GOVT	- / -	- / 0.500	- / 0.500	- / 0.500	- / -	- / 0.500	- / 0.500	- / 0.500	- / 0.500	- / 0.500	- / -	- / 3.500
<i>Subtotal: Support</i>	- / -	- / 0.500	- / 0.500	- / 0.500	- / -	- / 0.500	- / 0.500	- / 0.500	- / 0.500	- / 0.500	- / -	- / 3.500
Installation												
<i>Modification Item 1 of 1: Reliability & Maintainability A Kits</i>												
<i>Subtotal: Installation</i>	- / -	- / -	21 / 0.400	81 / 2.000	- / -	81 / 2.000	78 / 1.800	28 / 0.800	55 / 1.358	55 / 1.358	55 / 1.358	373 / 9.074
Total												
Total Cost (Procurement + Support + Installation)	0.000	2.100	5.100	4.500	0.000	4.500	4.500	3.500	5.810	5.748	1.358	32.616

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F03500 / F-35 Modifications	Modification Number / Title: 8 / Reliability and Maintainability
---	---	--

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

Modification Item 1 of 1: Reliability & Maintainability A Kits

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Ft Worth, TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027
Delivery Dates	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027	Dec 2028

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	21 / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 0.400
FY 2023	- / -	- / -	- / -	81 / 2.000	- / -	81 / 2.000	- / -	- / -	- / -	- / -	- / -	81 / 2.000
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	78 / 1.800	- / -	- / -	- / -	- / -	78 / 1.800
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.800	- / -	- / -	- / -	28 / 0.800
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 1.358	- / -	- / -	55 / 1.358
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 1.358	- / -	55 / 1.358
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 1.358	55 / 1.358
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	21 / 0.400	81 / 2.000	- / -	81 / 2.000	78 / 1.800	28 / 0.800	55 / 1.358	55 / 1.358	55 / 1.358	373 / 9.074

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	5	5	5	6	20	20	20	21	20	20	19	19	7	7	7	7	14	14	14	13	14	14	14	13	55	373
Out	0	-	-	-	-	-	5	5	5	6	20	20	20	21	20	20	19	19	7	7	7	7	14	14	14	13	14	14	14	68	373

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: F15EWS / F-15 EPAW
---	--

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0207171F	Other Related Program Elements: 0207146F
--	--	---

Line Item MDAP/MAIS Code: 485

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	18	-	-	-	-	-	-	-	-	-	18
Gross/Weapon System Cost (<i>\$ in Millions</i>)	272.633	163.816	259.837	280.658	-	280.658	321.252	234.825	118.415	120.857	0.000	1,772.293
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	272.633	163.816	259.837	280.658	-	280.658	321.252	234.825	118.415	120.857	0.000	1,772.293
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	272.633	163.816	259.837	280.658	-	280.658	321.252	234.825	118.415	120.857	0.000	1,772.293

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

Initial Spares (<i>\$ in Millions</i>)	-	28.005	19.796	-	-	-	13.531	27.947	28.582	29.176	-	147.037
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	9.101	-	-	-	-	-	-	-	-	-	98.461

Description:

The legacy F-15 Tactical Electronic Warfare System (TEWS) is functionally obsolete. It uses 1970's analog technology to combat 1980s-era radar-based ground and air threats. In addition, this aging system is becoming more difficult and expensive to sustain. As a result, the Air Force is replacing TEWS with the F-15 Eagle Passive/Active Warning and Survivability System (EPAWSS). F-15 EPAWSS is an advanced digital electronic warfare system capable of detecting, identifying, locating, denying, degrading, disrupting, and defeating modern and emerging threat systems in contested airspace with dense radio-frequency (RF) background environments. F-15 EPAWSS will provide indication, type, and position of ground-based RF threats as well as the indication, type, and bearing of airborne threats with the situational awareness needed to avoid, engage, or negate the threat. It will also prevent RF threat systems from detecting or acquiring accurate targeting information to complicate and/or negate an enemy threat targeting solution. Finally, EPAWSS will counter numerous RF and infrared threat systems at end-game via electronic countermeasures (jamming), chaff, and/or flares.

F-15 EPAWSS procurement plans have been aligned to the Air Force's F-15E divestment plan and will result in 99 EPAWSS-modified aircraft. Prior-year funding will procure 43 units and budget-year funding will procure 21 units, leaving 35 units to be procured in subsequent years. The designed service life of EPAWSS is the life of the aircraft.

Funding will be used to procure and install EPAWSS on F-15E aircraft in both the Low-Rate Initial Production (LRIP) and Full-Rate Production (FRP) Phases. The LRIP and FRP Phases overlap in the years of FY 2024 through FY 2026 (following the FRP Decision Point in FY 2024) for seamless transition to maintain production schedule. Activities include efforts such as stand up of the modification line/facility, monitor and resolve known/unknown Diminishing Manufacturing Sources/Material Shortages (DMSMS) and/or obsolescence issues, System Engineering/Program Management (SEPM), procurement and installation of EPAWSS hardware, certification/verification, development of/updates to technical orders/manuals, updates to software/operating systems, studies, repair of Government Furnished Property (GFP), interim contractor support (ICS), procurement of spares and Support Equipment, Operating System updates, hardware retrofits post-EMD, and Gap Analysis for Organic Depot Stand-up. Funding may also be used for other interdependent F-15E modification efforts.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

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

P-1 Line Item Number / Title:
F15EWS / F-15 EPAW

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207171F **Other Related Program Elements:** 0207146F

Line Item MDAP/MAIS Code: 485

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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-3a	8796 / EPAWSS F-15E (Capability Improvement)		B		- / 272.633	- / 163.816	- / 259.837	- / 280.658	- / 0.000	- / 280.658
P-40	Total Gross/Weapon System Cost				- / 272.633	18 / 163.816	- / 259.837	- / 280.658	- / -	- / 280.658

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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-3a	8796 / EPAWSS F-15E (Capability Improvement)		B		- / 321.252	- / 234.825	- / 118.415	- / 120.857	- / 0.000	- / 1,772.293
P-40	Total Gross/Weapon System Cost				- / 321.252	- / 234.825	- / 118.415	- / 120.857	- / 0.000	18 / 1,772.293

*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:
The F-15 is a versatile 4th-generation fighter aircraft and is central to Combatant Commander's ability to fulfill the National Defense Strategy (Joint Lethality in Contested Environments) for numerous operational plans (OPLANS) and contingency plans (CONPLANS) in near-peer conflicts. The proliferation of fourth generation enemy aircraft, sophisticated "double-digit" anti-aircraft missile systems, and other threat systems pose a significant threat to F-15 survivability. Therefore, it is necessary to invest in the F-15 platform to ensure it remains viable well into the 21st century. The F-15 Eagle Passive Active Warning and Survivability System (EPAWSS) replaces the legacy, functionally-obsolete F-15 Tactical Electronic Warfare System. F-15 EPAWSS is a 21st century electronic warfare system which includes electronic detection and identification, geolocation, electronic countermeasures (jamming), and countermeasures dispensing (chaff/flares). The EPAWSS upgrade will significantly improve the F-15's ability to detect, identify, and locate Radio Frequency (RF) threats as well as deny, degrade, deceive, disrupt, and defeat RF and electro-optical / infrared threat systems within highly contested environments.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F15EWS / F-15 EPAW	Modification Number / Title: 8796 / EPAWSS F-15E

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	272.633	163.816	259.837	280.658	0.000	280.658	321.252	234.825	118.415	120.857	0.000	1,772.293
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	272.633	163.816	259.837	280.658	0.000	280.658	321.252	234.825	118.415	120.857	0.000	1,772.293
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	272.633	163.816	259.837	280.658	0.000	280.658	321.252	234.825	118.415	120.857	0.000	1,772.293

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

Initial Spares (\$ in Millions)	-	28.005	19.796	-	-	-	13.531	27.947	28.582	29.176	-	147.037
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The F-15 is a versatile 4th-generation fighter aircraft and is central to Combatant Commanders' ability to fulfill the National Defense Strategy (Joint Lethality in Contested Environments) for numerous operational plans (OPLANS) and contingency plans (CONPLANS) in near-peer conflicts. The proliferation of fourth generation enemy aircraft, sophisticated "double-digit" anti-aircraft missile systems, and other threat systems pose a significant threat to F-15 survivability. Therefore, it is necessary to invest in the F-15 platform to ensure it remains viable well into the 21st century. The F-15 Eagle Passive Active Warning and Survivability System (EPAWSS) replaces the legacy federated, analog, and functionally-obsolete F-15 Tactical Electronic Warfare System. F-15 EPAWSS is a 21st century integrated and digital electronic warfare suite which includes electronic detection and identification, geolocation, electronic countermeasures (jamming), and countermeasures dispensing (chaff/flares). The EPAWSS upgrade will significantly improve the F-15's ability to detect, identify, and locate Radio Frequency (RF) threats as well as deny, degrade, deceive, disrupt, and defeat RF and electro-optical / infrared threat systems within highly contested environments.

Core Candidate Decision (CCD) dated 10 May 2013 and Depot Source of Repair (DSOR) #13-077F dated 08 Jul 2016 identify Warner Robins Air Logistics Complex as approved/assigned for hardware and software organic repair or EPAWSS system.

Installs are fully funded by defined Lot quantities and therefore do not correspond with the year the equipment will actually be installed. Below are the Lot quantities and amounts needed in each FY to fully fund each Lot:

- Lot 1 - qty 6 (includes qty 2 Cert/Ver installs) - FY 2022 \$37.852M
- Lot 2 - qty 18 - FY 2023 \$97.173M
- Lot 3 - qty 19 - FY 2024 \$88.041M
- Lot 4 - qty 21 - FY 2025 \$110.238M
- Lot 5 - qty 35 - FY 2026 \$154.806M

Milestone/Development Status

The requirements are defined in the June 2022 Capability Development Document (CDD). The program recovered from a Significant Nunn-McCurdy breach in June 2019 and re-baselined. The EMD period-of-performance was extended through CY 2023 and the program had a successful Milestone C Decision Point in October 2020 (procurement decision), followed by a second successful decision point in June 2022 (deployment/installation decision). This tailored acquisition strategy enables earlier initiation of Low Rate Initial Production (LRIP) and takes procurement of the EPAWSS hardware (long-lead) off the program critical path. The program initiated LRIP in December 2020, definitized the contract in September 2021, and began hardware installations on operational aircraft in June 2022. IOT&E will begin by April 2023 and the FRP decision point is planned for FY 2024.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F15EWS / F-15 EPAW					Modification Number / Title: 8796 / EPAWSS F-15E			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-15E				Modification Type: Capability Improvement				Related RDT&E PEs: 0207146F, 0207171F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207171F	8 / 349.722	- / 100.232	- / 67.956	- / 13.982	- / -	- / 13.982	- / -	- / -	- / -	- / -	- / -	8 / 531.892	
Procurement													
Modification Item 1 of 1: F-15E EPAWSS													
A Kits													
Recurring													
F-15E EPAWSS:INSTALL KITS Group A (Active)	6 / 6.909	18 / 19.613	19 / 20.991	21 / 24.042	- / -	21 / 24.042	35 / 35.231	- / -	- / -	- / -	- / -	99 / 106.786	
<i>Subtotal: Recurring</i>	- / 6.909	- / 19.613	- / 20.991	- / 24.042	- / -	- / 24.042	- / 35.231	- / -	- / -	- / -	- / -	- / 106.786	
B Kits													
Recurring													
F-15E EPAWSS:EQUIPMENT Group B (Active)	6 / 24.192	18 / 71.029	19 / 63.903	21 / 72.549	- / -	21 / 72.549	35 / 103.845	- / -	- / -	- / -	- / -	99 / 335.518	
<i>Subtotal: Recurring</i>	- / 24.192	- / 71.029	- / 63.903	- / 72.549	- / -	- / 72.549	- / 103.845	- / -	- / -	- / -	- / -	- / 335.518	
<i>Subtotal: F-15E EPAWSS</i>	- / 31.101	- / 90.642	- / 84.894	- / 96.591	- / -	- / 96.591	- / 139.076	- / -	- / -	- / -	- / -	- / 442.304	
<i>Subtotal: Procurement, All Modification Items</i>	- / 31.101	- / 90.642	- / 84.894	- / 96.591	- / -	- / 96.591	- / 139.076	- / -	- / -	- / -	- / -	- / 442.304	
Support (All Modification Items)													
SEPM	- / 38.255	- / 25.089	- / 20.363	- / 36.492	- / -	- / 36.492	- / 19.210	- / 18.757	- / 4.843	- / 1.426	- / -	- / 164.435	
DMSMS	- / 57.093	- / 0.905	- / 20.185	- / 20.515	- / -	- / 20.515	- / 20.869	- / 21.232	- / 14.821	- / -	- / -	- / 155.620	
Production NRE	- / 23.467	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.467	
Ctr Mod Facility Standup	- / 18.172	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.172	
ICS-Labor	- / 72.245	- / 3.679	- / 11.582	- / 14.544	- / -	- / 14.544	- / 17.990	- / 11.527	- / 15.249	- / 9.542	- / -	- / 156.358	
Spt Equipmt/GFP Repair	- / 24.158	- / 0.941	- / 0.955	- / 0.963	- / -	- / 0.963	- / 0.975	- / 0.994	- / 0.015	- / -	- / -	- / 29.001	
Other Contractor Costs	- / 0.032	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.032	
Data/Training	- / 3.289	- / -	- / 5.475	- / 5.163	- / -	- / 5.163	- / 7.211	- / 4.202	- / -	- / -	- / -	- / 25.340	
OGCs/PMAs/ECOs	- / 4.821	- / 4.708	- / 19.210	- / 18.349	- / -	- / 18.349	- / 5.683	- / 23.307	- / 83.487	- / 109.889	- / -	- / 269.454	
<i>Subtotal: Support</i>	- / 241.532	- / 35.322	- / 77.770	- / 96.026	- / -	- / 96.026	- / 71.938	- / 80.019	- / 118.415	- / 120.857	- / -	- / 841.879	
Installation													
Modification Item 1 of 1: F-15E EPAWSS	- / -	2 / 37.852	6 / 97.173	15 / 88.041	- / -	15 / 88.041	15 / 110.238	16 / 154.806	18 / 0.000	17 / 0.000	10 / 0.000	99 / 488.110	
<i>Subtotal: Installation</i>	- / -	2 / 37.852	6 / 97.173	15 / 88.041	- / -	15 / 88.041	15 / 110.238	16 / 154.806	18 / -	17 / -	10 / -	99 / 488.110	
Total													
Total Cost (Procurement + Support + Installation)	272.633	163.816	259.837	280.658	0.000	280.658	321.252	234.825	118.415	120.857	0.000	1,772.293	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F15EWS / F-15 EPAW	Modification Number / Title: 8796 / EPAWSS F-15E
---	--	--

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

Modification Item 1 of 1: F-15E EPAWSS

Manufacturer Information

Manufacturer Name: BAE	Manufacturer Location: St. Louis, MO/San Antonio, TX
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 16

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Apr 2022	Apr 2023	Apr 2024	Apr 2025			
Delivery Dates	Aug 2023	Aug 2024	Aug 2025	Aug 2026			

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	2 / 37.852	4 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 37.852
FY 2022	- / -	- / -	2 / 97.173	15 / 0.000	- / -	15 / 0.000	1 / 0.000	- / -	- / -	- / -	- / -	18 / 97.173
FY 2023	- / -	- / -	- / -	0 / 88.041	- / -	0 / 88.041	14 / 0.000	5 / 0.000	- / -	- / -	- / -	19 / 88.041
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	0 / 110.238	11 / 0.000	10 / 0.000	- / -	- / -	21 / 110.238
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 154.806	8 / 0.000	17 / 0.000	10 / 0.000	35 / 154.806
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	2 / 37.852	6 / 97.173	15 / 88.041	- / -	15 / 88.041	15 / 110.238	16 / 154.806	18 / 0.000	17 / 0.000	10 / 0.000	99 / 488.110

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	0	0	1	1	0	1	2	3	3	4	4	4	3	4	4	4	3	5	4	4	5	4	4	5	4	5	4	4	10	99
Out	0	0	0	0	0	0	0	0	3	1	3	4	4	3	4	4	4	4	4	4	4	5	4	4	5	4	4	5	4	18	99

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: 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: 0401221F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.844	1.984	0.467	0.000	-	0.000	0.000	59.067	70.862	72.233	5,739.144	5,944.601
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.844	1.984	0.467	0.000	-	0.000	0.000	59.067	70.862	72.233	5,739.144	5,944.601
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.844	1.984	0.467	0.000	-	0.000	0.000	59.067	70.862	72.233	5,739.144	5,944.601

(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 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 dynamics and mission urgency of the post-production environment requires the program to maintain flexible and responsive posture to support a broad range of mission support needs. The KC-46 will continue to identify, design, develop, integrate, verify, certify, produce, install, field, and sustain a comprehensive range of non-recurring and recurring post-production, air vehicle enhancements and field support needs. These needs may originate from programmed Mobility Air Force (MAF) requirements, Combatant Commander Joint or Urgent Operational Needs (JUON/UON), non-programmed Federal Aviation Administration (FAA) directives, or correction of deficiency reports.

The KC-46 will continue to develop, field, and sustain warfighter capabilities to meet evolving threats and mission support requirements through Block or discrete modification or modernization programs depending on mission urgency, available funding, and programmatic and technical risks. Post-production requirements can include, but will not be limited to, avionics and structural systems/architecture and subsystem updates, general mission equipment updates and procurement, general sustainment support, studies and analyses, and correction of deficiency reports.

Other modifications to the KC-46 through FY28 include, but are not limited to: Winglets, Reliability & Maintainability mods, Safety mods, Avionics and Flight Systems enhancements (described as the Pegasus Advanced Communications Suite (PACS) modification), efforts executed under the auspices of Pegasus Combat Capability (PC2) (M-Code Global Positioning System (GPS), Multifunctional Information Distribution Systems (MIDS) Enhancements, Advanced Communication Systems, Survivability and Mission Performance), requirements identified and supported by Major Command (MAJCOM)-approved 1067s, Higher Headquarters (HHQ) Enterprise Capability Collaboration Teams (i.e., High Value Airborne Asset [HVAA], Air Superiority 2030, and Multi-Domain Command and Control [MDC2]), Airworthiness Directives (ADs)/Service Bulletins (SBs), and Low Cost Modifications (LCMs).

Funding for this exhibit contained in PE 0401221F.

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

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft		P-1 Line Item Number / Title: 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: 0401221F
Line Item MDAP/MAIS Code: N/A		
This requirement (or modification) supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.		

Justification:
No Budget Year FY24 funding requested.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C00500 / C-5
--	--

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0401119F, 0401897F	Other Related Program Elements: 0401119F, 0401897F
---	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	214.143	20.330	15.673	24.377	-	24.377	45.361	32.417	33.153	33.843	67.734	487.031
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	214.143	20.330	15.673	24.377	-	24.377	45.361	32.417	33.153	33.843	67.734	487.031
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	214.143	20.330	15.673	24.377	-	24.377	45.361	32.417	33.153	33.843	67.734	487.031

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

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

Description:

The C-5M carries outsized and heavy cargo (tanks, helicopters, etc.) between main operating bases. Additionally, the aircraft is capable of carrying 73 troops and 36 standard 463-L pallets. There are 52 C-5 aircraft in the Air Force fleet. The fleet was delivered to the Air Force between 1969 and 1989. Initial service life for the aircraft was 30,000 flight hours. Service life is extended out to 2040 as a result of the reliability enhancement and re-engining program (RERP) modification. Modifications increase operational capability while improving flight safety, reliability, and maintainability.

Available funds will be used for C-5M Mission Systems Equipment-Lavatory, Core Mission Computer and Weather Radar (CMC/WxR), C-5M Communication Navigation Surveillance/Air Traffic Management (CNS/ATM), C-5M Replace Multi-Functional Controls and Display (RMCD) and Low Cost Modifications (Capability Improvement). Funding may be used to address Diminishing Manufacturing Sources (DMS). Activities in support of these programs and DMS include studies and analysis, bridge buys, life-of-type buys, along with program support, risk reduction efforts, Advisory and Assistance Services, change orders, and other government costs such as travel, directorate support, government furnished equipment (GFE), and over and above costs.

The C-5M communication, navigation, surveillance/air traffic management (CNS/ATM) program is a comprehensive effort to ensure appropriate system design architectures are developed and installed on the C-5M to allow aircraft operation in accordance with civil airspace access mandates for the US national airspace system (NAS) and international civil airspace. Also, the program will add equipment to meet outstanding National Security Agency (NSA) mandates for encryption of voice communications. The CNS/ATM program ensures system standardization and interoperability with other DoD systems to the maximum extent possible and directly supports airworthiness certification of the C-5M.

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.

These modifications support performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

Funding for this exhibit is contained in PE 0401119F and under mod line 8969, C-5 Training Systems (Training Mods), is contained in PE 0401897F.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft					P-1 Line Item Number / Title: C00500 / C-5					
ID Code (A=Service Ready, B=Not Service Ready): B			Program Elements for Code B Items: 0401119F, 0401897F			Other Related Program Elements: 0401119F, 0401897F				
Line Item MDAP/MAIS Code: N/A										

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
	Total Obligation Authority	17.835	13.983	18.947	-	18.947	37.130	29.403	32.063	28.706
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.495	1.690	5.430	-	5.430	8.231	3.014	1.090	5.137
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	20.330	15.673	24.377	-	24.377	45.361	32.417	33.153	33.843

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C00500 / C-5

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0401119F, 0401897F **Other Related Program Elements:** 0401119F, 0401897F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	8964 / C-5 Replace Multifunctional Co (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a***	8965 / C-5 Fleet Blk Upgrade 01 (Other)				- / 13.093	- / -	- / -	- / -	- / -	- / -
P-40a***	8968 / C-5M Communication Navigation Surveillance/Air Traffic Management (CNS/ATM) (Capability Improvement)				- / 67.725	- / -	- / 1.670	- / 4.300	- / -	- / 4.300
P-40a***	8969 / C-5 Training Systems (Training Mods) (Capability Improvement)				- / -	- / 7.848	- / 3.633	- / -	- / -	- / -
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 0.000	- / -	- / 0.100	- / 2.617	- / -	- / 2.617
P-3a	8966 / C-5 Mission Systems Equipment- Lavatory (Other)		B		- / 42.012	- / 0.000	- / 2.366	- / 6.200	- / 0.000	- / 6.200
P-3a	8967 / Mission Computer and Weather Radar (Other)		B		- / 91.313	- / 12.482	- / 7.904	- / 11.260	- / 0.000	- / 11.260
P-40	Total Gross/Weapon System Cost				- / 214.143	- / 20.330	- / 15.673	- / 24.377	- / -	- / 24.377

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	8964 / C-5 Replace Multifunctional Co (Reliability & Maintainability)				- / 28.207	- / 27.417	- / 28.153	- / 28.843	- / 67.734	- / 180.354
P-40a***	8965 / C-5 Fleet Blk Upgrade 01 (Other)				- / -	- / -	- / -	- / -	- / -	- / 13.093
P-40a***	8968 / C-5M Communication Navigation Surveillance/Air Traffic Management (CNS/ATM) (Capability Improvement)				- / 2.665	- / -	- / -	- / -	- / -	- / 76.360
P-40a***	8969 / C-5 Training Systems (Training Mods) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 11.481
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 5.000	- / 5.000	- / 5.000	- / 5.000	- / -	- / 22.717
P-3a	8966 / C-5 Mission Systems Equipment- Lavatory (Other)		B		- / 2.048	- / 0.000	- / -	- / -	- / -	- / 52.626
P-3a	8967 / Mission Computer and Weather Radar (Other)		B		- / 7.441	- / 0.000	- / -	- / -	- / -	- / 130.400
P-40	Total Gross/Weapon System Cost				- / 45.361	- / 32.417	- / 33.153	- / 33.843	- / 67.734	- / 487.031

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

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

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

Justification:
Primary efforts in FY24 include C-5 CSN/ATM, C-5 Low Cost Modifications, C-5 Mission Systems Equipment- Lavatory, and Mission Computer and Weather Radar.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C00500 / C-5	Modification Number / Title: 8966 / C-5 Mission Systems Equipment-Lavatory

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	42.012	0.000	2.366	6.200	0.000	6.200	2.048	0.000	-	-	-	52.626
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	42.012	0.000	2.366	6.200	0.000	6.200	2.048	0.000	-	-	-	52.626
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	42.012	0.000	2.366	6.200	0.000	6.200	2.048	0.000	-	-	-	52.626

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

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

Description:

C-5 Mission Systems Equipment (Lavatory) is a modification to the C-5 aircraft that replaces three lavatories with a commercial off-the-shelf solution to correct lavatory system leakage leading to corrosion and electrical malfunctions affecting the main landing gear and avionics systems. This modification also increases mission capability by replacing obsolete parts. The modification strategy utilizes a commercial Small Business contract to procure the COTS lavatory components and miscellaneous parts, assemble the production kits, and deliver the completed production kits to the government. The modification installations will be performed by government personnel in conjunction with Program Depot Maintenance (PDM). Depot installations planned to complete by end of Fiscal Year 2025.

Milestone/Development Status

N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	1.566	5.040	-	5.040	0.573	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.800	1.160	-	1.160	1.475	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	0.000	2.366	6.200	0.000	6.200	2.048	0.000	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3				P-1 Line Item Number / Title: C00500 / C-5				Modification Number / Title: 8966 / C-5 Mission Systems Equipment-Lavatory					
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: C-5M				Modification Type: Other				Related RDT&E PEs: 0401119F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Lavatory Kit</i>													
B Kits													
Recurring													
Lavatory Kit:EQUIPMENT Group B (Active)	35 / 13.463	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 13.463	
Lavatory Kit:EQUIPMENT Group B (Reserve)	15 / 5.761	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 5.761	
<i>Subtotal: Recurring</i>	- / 19.224	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.224	
<i>Subtotal: Lavatory Kit</i>	- / 19.224	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.224	
<i>Subtotal: Procurement, All Modification Items</i>	- / 19.224	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.224	
Support (All Modification Items)													
PSC - Other Gov't Costs	- / -	- / -	- / 0.236	- / 0.620	- / -	- / 0.620	- / 0.205	- / -	- / -	- / -	- / -	- / 1.061	
OTHER GOVT	- / 10.053	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.053	
<i>Subtotal: Support</i>	- / 10.053	- / -	- / 0.236	- / 0.620	- / -	- / 0.620	- / 0.205	- / -	- / -	- / -	- / -	- / 11.114	
Installation													
<i>Modification Item 1 of 1: Lavatory Kit</i>	27 / 12.735	- / -	8 / 2.130	10 / 5.580	- / -	10 / 5.580	5 / 1.843	- / -	- / -	- / -	- / -	50 / 22.288	
<i>Subtotal: Installation</i>	27 / 12.735	- / -	8 / 2.130	10 / 5.580	- / -	10 / 5.580	5 / 1.843	- / -	- / -	- / -	- / -	50 / 22.288	
Total													
Total Cost (Procurement + Support + Installation)	42.012	0.000	2.366	6.200	0.000	6.200	2.048	0.000	-	-	-	52.626	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C00500 / C-5	Modification Number / Title: 8966 / C-5 Mission Systems Equipment-Lavatory

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

Modification Item 1 of 1: Lavatory Kit

Manufacturer Information

Manufacturer Name: Small Business (Kit Build)	Manufacturer Location: WRALC/Unit
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 10

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	27 / 12.735	- / -	8 / 2.130	10 / 5.580	- / -	10 / 5.580	5 / 1.843	- / -	- / -	- / -	- / -	50 / 22.288
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	27 / 12.735	- / -	8 / 2.130	10 / 5.580	- / -	10 / 5.580	5 / 1.843	- / -	- / -	- / -	- / -	50 / 22.288

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	27	-	-	-	-	1	1	3	3	1	3	3	3	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	0	50
Out	21	1	2	1	2	1	1	3	3	1	3	3	3	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	0	50

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C00500 / C-5	Modification Number / Title: 8967 / Mission Computer and Weather Radar

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	91.313	12.482	7.904	11.260	0.000	11.260	7.441	0.000	-	-	-	130.400
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	91.313	12.482	7.904	11.260	0.000	11.260	7.441	0.000	-	-	-	130.400
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	91.313	12.482	7.904	11.260	0.000	11.260	7.441	0.000	-	-	-	130.400

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

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

Description:

The C-5M core mission computer (CMC) and weather radar (WxRadar) replacement program is a comprehensive permanent sustainment modification to mitigate the obsolescence of the current CMC and WxRadar. The program will modify a total of 52 aircraft and 8 trainers: 2 aircraft were modified during Engineering and Manufacturing Development and 50 during Production. This effort replaces the APS-133 WxRadar, resolving severe diminishing manufacturing source (DMS) issues, using the Rockwell Collins WXR-2100 commercial off-the-shelf WxRadar, which is common to other aircraft platforms, and provides the same capability as the APS-133. The effort also replaces the current core processing module (CPM) cards in the CMC with new Honeywell CPM II cards, providing additional processing speed and throughput capacity. The program should complete by end of Fiscal Year 2025 and will act as the processor baseline for all future modifications to the C-5M.

Change in the installation strategy from organic depot to contractor facility was required due to throughput issues at depot facility. A competitive contract was used for installation for install at a contractor facility. Change in strategy mid-program and resultant contract negotiations delayed induction start until FY20. An initial contract of 10 aircraft was awarded in FY20 and delivered aircraft in FY20-22.

Milestone/Development Status

Development complete

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	9.987	7.014	8.740	-	8.740	3.057	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.495	0.890	2.520	-	2.520	4.384	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	12.482	7.904	11.260	0.000	11.260	7.441	0.000	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C00500 / C-5					Modification Number / Title: 8967 / Mission Computer and Weather Radar			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: C-5M				Modification Type: Other				Related RDT&E PEs: 0401119F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0401119F	2 / 97.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 97.080	
Procurement													
Modification Item 1 of 1: CMC/WxRadar													
A Kits													
Recurring													
CMC/WxRadar:INSTALL KITS Group A (Active)	34 / 4.186	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 4.186	
CMC/WxRadar:INSTALL KITS Group A (Reserve)	16 / 1.934	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.934	
Subtotal: Recurring	- / 6.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.120	
B Kits													
Recurring													
CMC/WxRadar:EQUIPMENT Group B (Active)	34 / 21.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 21.005	
CMC/WxRadar:EQUIPMENT Group B (Reserve)	16 / 9.822	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 9.822	
Subtotal: Recurring	- / 30.827	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 30.827	
Subtotal: CMC/WxRadar	- / 36.947	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.947	
Subtotal: Procurement, All Modification Items	- / 36.947	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.947	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 0.434	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.434	
Mod of Spares	- / 14.629	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.629	
SIM/TRAINER	8 / 18.916	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 18.916	
SUPPORT-EQUIP	- / 0.834	- / 1.454	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.288	
PSC - Other Gov't Costs	- / 2.225	- / -	- / 0.790	- / 1.126	- / -	- / 1.126	- / 0.744	- / -	- / -	- / -	- / -	- / 4.885	
PSC - Contractor Services	- / 4.371	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.371	
A&AS	- / 15.496	- / -	- / 4.376	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.872	
OTHER GOVT	- / 0.705	- / 0.443	- / 0.512	- / 0.895	- / -	- / 0.895	- / 0.559	- / -	- / -	- / -	- / -	- / 3.114	
ICS-Material	- / 0.093	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.093	
ICS-Labor	- / 0.373	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.373	
Subtotal: Support	8 / 48.076	- / 1.897	- / 5.678	- / 2.021	- / -	- / 2.021	- / 1.303	- / -	- / -	- / -	- / -	8 / 58.975	
Installation													
Modification Item 1 of 1: CMC/WxRadar	10 / 6.290	17 / 10.585	5 / 2.226	11 / 9.239	- / -	11 / 9.239	7 / 6.138	- / -	- / -	- / -	- / -	50 / 34.478	
Subtotal: Installation	10 / 6.290	17 / 10.585	5 / 2.226	11 / 9.239	- / -	11 / 9.239	7 / 6.138	- / -	- / -	- / -	- / -	50 / 34.478	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C00500 / C-5	Modification Number / Title: 8967 / Mission Computer and Weather Radar

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

Models of Systems Affected: C-5M	Modification Type: Other	Related RDT&E PEs: 0401119F
---	---------------------------------	--

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Total												
Total Cost (Procurement + Support + Installation)	91.313	12.482	7.904	11.260	0.000	11.260	7.441	0.000	-	-	-	130.400

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C00500 / C-5	Modification Number / Title: 8967 / Mission Computer and Weather Radar

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

Modification Item 1 of 1: CMC/WxRadar

Manufacturer Information

Manufacturer Name: Gauss management Research and Engineering, Inc	Manufacturer Location: Ogden, UT
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 15

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	10 / 6.290	17 / 10.585	5 / 2.226	11 / 9.239	- / -	11 / 9.239	7 / 6.138	- / -	- / -	- / -	- / -	50 / 34.478
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	10 / 6.290	17 / 10.585	5 / 2.226	11 / 9.239	- / -	11 / 9.239	7 / 6.138	- / -	- / -	- / -	- / -	50 / 34.478

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	10	-	-	10	7	-	5	-	-	-	11	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	50
Out	0	3	3	4	3	3	4	3	3	3	4	3	3	3	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	0	50

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C01700 / C-17A
--	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0401130F	Other Related Program Elements: 0401130F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
<i>Procurement Quantity (Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Gross/Weapon System Cost (\$ in Millions)</i>	480.609	54.649	142.653	140.560	-	140.560	100.013	134.375	134.373	123.025	0.000	1,310.257
<i>Less PY Advance Procurement (\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Net Procurement (P-1) (\$ in Millions)</i>	480.609	54.649	142.653	140.560	-	140.560	100.013	134.375	134.373	123.025	0.000	1,310.257
<i>Plus CY Advance Procurement (\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	480.609	54.649	142.653	140.560	-	140.560	100.013	134.375	134.373	123.025	0.000	1,310.257

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

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

Description:

The four-engine C-17 is the only aircraft capable of routine delivery of outsize cargo (tanks, helicopters, etc.) to short, austere airfields. The aircraft can carry up to 102 troops, 36 litter patients or 18 standard 463-L pallets. The C-17 can perform the entire spectrum of airlift missions and is specifically designed to operate effectively and efficiently in both strategic and theater environments. Not only can the C-17 deliver outsize cargo to austere tactical environments, but it also reduces ground time during air and land operations.

Strategic Airlift provides essential flexibility when responding to contingencies on short notice anywhere in the world. It is a major element of America's national security strategy and constitutes the most responsive means of meeting mobility requirements. Specific tasks associated with the airlift mission include deployment, employment, sustaining support, retrograde, aeromedical evacuation, and combat redeployment. The C-17 will perform this airlift mission well into this century.

This funding includes Rapid Global Mobility (RGM) platform-related rapid prototyping and fielding activities executed under the authority of the National Defense Authorization Act 2016, Section 804, as amended. Such activities include, but are not limited to, roll-on/roll-off, carry-on/carry-off, and pod-based aircraft integrated support equipment, as well as other technical solutions supporting the full spectrum of the platforms RGM mission.

Filter Fire Mitigation redesigns the On-Board Inert Gas Generation System (OBIGGS) II Shutoff Valve to a failsafe closed condition, thus eliminating a safety-of-flight issue.

Funding may also be used to address Diminishing Manufacturing Sources (DMS) issues, obsolescence resolution, fuel efficiency and drag reduction improvements, cockpit situational awareness, command and control (radios), flight deck modernization/replacement, aircraft data bus maintenance initiatives, and structural enhancements.

In accordance with Section 1815 of the FY08 National Defense Authorization Act (P.L. 110-181), these items are necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.

Funding for this exhibit is contained in PE 0401130F and 0401897F.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C01700 / C-17A
--	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0401130F	Other Related Program Elements: 0401130F
--	--	---

Line Item MDAP/MAIS Code: N/A

	Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	37.040	115.347	91.717	-	91.717	59.681	120.752	123.402	122.866
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	9.624	19.412	33.884	-	33.884	26.709	9.768	7.597	0.052
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.985	7.894	14.959	-	14.959	13.623	3.855	3.374	0.107
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	54.649	142.653	140.560	-	140.560	100.013	134.375	134.373	123.025

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date: March 2023**

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C01700 / C-17A

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0401130F **Other Related Program Elements:** 0401130F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	_2000 / Pylon Stub FFLZ, FF, Translating Fairing (Safety)				- / 95.492	- / 0.995	- / -	- / -	- / -	- / -
P-40a***	_2590 / ELT Frequency Change (Capability Improvement)				- / 5.182	- / -	- / -	- / -	- / -	- / -
P-40a***	_2633 / MFOQA (Capability Improvement)				- / 14.070	- / -	- / -	- / -	- / -	- / -
P-40a***	1508 / IFF GATM (Capability Improvement)				- / 124.593	- / -	- / -	- / -	- / -	- / -
P-40a***	2901 / Automatic Dependent Surveillance - Broadcast Out (ADS-B Out) (Capability Improvement)				- / 83.887	- / -	- / -	- / -	- / -	- / -
P-40a***	6403 / Filter Fire Mitigation (Capability Improvement)				- / 1.870	- / 1.564	- / 2.310	- / 2.550	- / -	- / 2.550
P-40a***	9740 / Fixed Installation Satellite Antenna (FISA) (Capability Improvement)				- / 7.079	- / -	- / -	- / -	- / -	- / -
P-40a***	9742 / C-17 Simulator Lateral Motion Maneuver Enhancement (Other)				- / 1.438	- / -	- / -	- / -	- / -	- / -
P-40a***	9744 / C-17 Visual System Field of View (Other)				- / 1.008	- / -	- / -	- / -	- / -	- / -
P-40a***	9747 / C-17 Training System (Other Mods) (Other)				- / 12.327	- / 8.121	- / 2.465	- / 1.788	- / -	- / 1.788
P-40a***	9748 / C-17 Training System (Training Mods) (Other)				- / -	- / -	- / 9.112	- / -	- / -	- / -
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 3.387	- / 1.740	- / 0.100	- / 1.000	- / -	- / 1.000
P-3a	3080 / Replacement Heads Up Display (RHUD) (Capability Improvement)		A		- / 124.807	- / 30.906	- / 48.471	- / 33.922	- / 0.000	- / 33.922
P-3a	9741 / Beyond Line of Sight (BLOS) (Capability Improvement)		B		- / 5.469	- / 11.323	- / 80.195	- / 101.300	- / 0.000	- / 101.300
P-40	Total Gross/Weapon System Cost				- / 480.609	- / 54.649	- / 142.653	- / 140.560	- / -	- / 140.560

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	_2000 / Pylon Stub FFLZ, FF, Translating Fairing (Safety)				- / -	- / -	- / -	- / -	- / -	- / 96.487
P-40a***	_2590 / ELT Frequency Change (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 5.182
P-40a***	_2633 / MFOQA (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 14.070
P-40a***	1508 / IFF GATM (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 124.593
P-40a***	2901 / Automatic Dependent Surveillance - Broadcast Out (ADS-B Out) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 83.887
P-40a***	6403 / Filter Fire Mitigation (Capability Improvement)				- / 2.100	- / 2.590	- / 2.120	- / 0.870	- / -	- / 15.974
P-40a***	9740 / Fixed Installation Satellite Antenna (FISA) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 7.079
P-40a***	9742 / C-17 Simulator Lateral Motion Maneuver Enhancement (Other)				- / -	- / -	- / -	- / -	- / -	- / 1.438
P-40a***	9744 / C-17 Visual System Field of View (Other)				- / -	- / -	- / -	- / -	- / -	- / 1.008
P-40a***	9747 / C-17 Training System (Other Mods) (Other)				- / 1.850	- / 1.909	- / 2.661	- / 2.000	- / -	- / 33.121
P-40a***	9748 / C-17 Training System (Training Mods) (Other)				- / -	- / -	- / -	- / -	- / -	- / 9.112
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 0.100	- / 0.100	- / 0.100	- / 5.000	- / -	- / 11.527

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force				Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft				P-1 Line Item Number / Title: C01700 / C-17A	
ID Code (A=Service Ready, B=Not Service Ready):		Program Elements for Code B Items: 0401130F		Other Related Program Elements: 0401130F	
Line Item MDAP/MAIS Code: N/A					

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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-3a	3080 / Replacement Heads Up Display (RHUD) (Capability Improvement)		A		- / 48.765	- / 11.555	- / 8.849	- / 0.000	- / 0.000	- / 307.275
P-3a	9741 / Beyond Line of Sight (BLOS) (Capability Improvement)		B		- / 47.198	- / 118.221	- / 120.643	- / 115.155	- / 0.000	- / 599.504
P-40	Total Gross/Weapon System Cost				- / 100.013	- / 134.375	- / 134.373	- / 123.025	- / 0.000	- / 1,310.257

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

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

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

Justification:

FY24 efforts include: Replacement Heads Up Display (RHUD), Beyond Line of Sight (BLOS), Filter Fire Mitigation, Training Systems, and Low Cost Modifications.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C01700 / C-17A	Modification Number / Title: 3080 / Replacement Heads Up Display (RHUD)

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	124.807	30.906	48.471	33.922	0.000	33.922	48.765	11.555	8.849	0.000	0.000	307.275
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	124.807	30.906	48.471	33.922	0.000	33.922	48.765	11.555	8.849	0.000	0.000	307.275
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	124.807	30.906	48.471	33.922	0.000	33.922	48.765	11.555	8.849	0.000	0.000	307.275

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

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

Description:

This effort is for development, integration and installation of a Replacement Heads-Up Display (RHUD) onto the C-17 aircraft. Analysis indicates the current HUD, which is required to fly the C-17, is becoming unsupportable due to obsolescence. This effort will retrofit the C-17 fleet with an RHUD that is certified as a Primary Flight Reference, providing improved reliability, maintainability, and supportability, while providing growth to support future planned capability improvements. The total of 222 units will be sustainable for the planned life of the C-17 fleet. The RHUD retrofit will start and complete installs from FY 2021 through FY 2028 under the legacy Globemaster III Integrated Sustainment Program (GISP) and the current G3 contracts.

Projected allocations by component are subject to total force mission priorities and aircraft availability.

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

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

Milestone/Development Status

The first RHUD was tested with RDT&E funding in FY 2018. The first production kitproof kits were purchased in FY 2019 and installed in FY 2021.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	20.106	37.537	22.753	-	22.753	24.512	8.791	4.703	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.722	8.497	8.693	-	8.693	15.775	2.304	3.224	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.078	2.437	2.476	-	2.476	8.478	0.460	0.922	-
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C01700 / C-17A	Modification Number / Title: 3080 / Replacement Heads Up Display (RHUD)

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	30.906	48.471	33.922	0.000	33.922	48.765	11.555	8.849	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3				P-1 Line Item Number / Title: C01700 / C-17A							Modification Number / Title: 3080 / Replacement Heads Up Display (RHUD)			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:							
Models of Systems Affected: C-17				Modification Type: Capability Improvement				Related RDT&E PEs: 0401130F						
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total		
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		
RDT&E PE #														
0401130F	- / 117.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 117.210		
Procurement														
<i>Modification Item 1 of 1: RHUD</i>														
A Kits														
Recurring														
RHUD:INSTALL KITS Group A (Active)	80 / 62.500	17 / 11.607	24 / 15.424	18 / 11.916	- / -	18 / 11.916	9 / 13.464	- / -	- / -	- / -	- / -	148 / 114.911		
RHUD:INSTALL KITS Group A (Guard)	14 / 9.554	8 / 5.492	10 / 6.425	10 / 6.620	- / -	10 / 6.620	11 / 14.162	- / -	- / -	- / -	- / -	53 / 42.253		
RHUD:INSTALL KITS Group A (Reserve)	12 / 8.226	6 / 4.156	2 / 1.285	2 / 1.324	- / -	2 / 1.324	4 / 7.097	- / -	- / -	- / -	- / -	26 / 22.088		
<i>Subtotal: Recurring</i>	- / 80.280	- / 21.255	- / 23.134	- / 19.860	- / -	- / 19.860	- / 34.723	- / -	- / -	- / -	- / -	- / 179.252		
<i>Subtotal: RHUD</i>	- / 80.280	- / 21.255	- / 23.134	- / 19.860	- / -	- / 19.860	- / 34.723	- / -	- / -	- / -	- / -	- / 179.252		
<i>Subtotal: Procurement, All Modification Items</i>	- / 80.280	- / 21.255	- / 23.134	- / 19.860	- / -	- / 19.860	- / 34.723	- / -	- / -	- / -	- / -	- / 179.252		
Support (All Modification Items)														
SUPPORT-EQUIP	- / 5.349	- / 0.654	- / 10.560	- / 12.147	- / -	- / 12.147	- / 2.500	- / 0.690	- / -	- / -	- / -	- / 21.900		
SIM/TRAINER	- / 4.614	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.614		
PMA - Other Gov't Costs	- / 129.714	- / 11.627	- / 16.715	- / 13.622	- / -	- / 13.622	- / 13.250	- / 2.573	- / 1.709	- / -	- / -	- / 49.210		
<i>Subtotal: Support</i>	- / 139.677	- / 2.281	- / 17.275	- / 5.769	- / -	- / 5.769	- / 5.750	- / 3.263	- / 1.709	- / -	- / -	- / 75.724		
Installation														
<i>Modification Item 1 of 1: RHUD</i>	16 / 4.850	32 / 7.370	35 / 8.062	36 / 8.293	- / -	36 / 8.293	36 / 8.292	36 / 8.292	31 / 7.140	- / -	- / -	222 / 52.299		
<i>Subtotal: Installation</i>	16 / 4.850	32 / 7.370	35 / 8.062	36 / 8.293	- / -	36 / 8.293	36 / 8.292	36 / 8.292	31 / 7.140	- / -	- / -	222 / 52.299		
Total														
Total Cost (Procurement + Support + Installation)	124.807	30.906	48.471	33.922	0.000	33.922	48.765	11.555	8.849	0.000	0.000	307.275		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C01700 / C-17A	Modification Number / Title: 3080 / Replacement Heads Up Display (RHUD)

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

Modification Item 1 of 1: RHUD

Manufacturer Information

Manufacturer Name: The Boeing Company	Manufacturer Location: Long Beach, Ca
Administrative Leadtime (in Months): 7	Production Leadtime (in Months): 17

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	May 2022	May 2023	May 2024	May 2025			
Delivery Dates	Oct 2023	Oct 2024	Oct 2025	Oct 2026			

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	8 / 3.007	16 / 3.685	19 / 4.376	11 / 2.534	- / -	11 / 2.534	- / -	- / -	- / -	- / -	- / -	54 / 13.602
FY 2022	- / -	- / -	- / -	6 / 1.382	- / -	6 / 1.382	9 / 2.073	- / -	- / -	- / -	- / -	15 / 3.455
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.073	9 / 2.073	- / -	- / -	- / -	18 / 4.146
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.843	7 / 1.612	- / -	- / -	15 / 3.455
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.303	- / -	- / -	10 / 2.303
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	8 / 3.007	16 / 3.685	19 / 4.376	17 / 3.916	- / -	17 / 3.916	18 / 4.146	17 / 3.916	17 / 3.915	- / -	- / -	112 / 26.961

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	8	8	0	8	0	0	5	14	0	0	0	17	0	0	0	18	0	0	0	17	0	0	17	0	0	-	-	-	-	0	112
Out	5	3	4	4	4	4	4	5	5	5	5	5	4	3	5	4	4	5	4	5	5	3	5	4	4	4	-	-	-	0	112

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C01700 / C-17A	Modification Number / Title: 3080 / Replacement Heads Up Display (RHUD)
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Modification Item 1 of 1: RHUD

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	8 / 1.843	16 / 3.685	16 / 3.686	12 / 2.765	- / -	12 / 2.765	- / -	- / -	- / -	- / -	- / -	52 / 11.979
FY 2022	- / -	- / -	- / -	7 / 1.612	- / -	7 / 1.612	9 / 2.073	- / -	- / -	- / -	- / -	16 / 3.685
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.073	9 / 2.073	- / -	- / -	- / -	18 / 4.146
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.303	5 / 1.152	- / -	- / -	15 / 3.455
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.073	- / -	- / -	9 / 2.073
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	8 / 1.843	16 / 3.685	16 / 3.686	19 / 4.377	- / -	19 / 4.377	18 / 4.146	19 / 4.376	14 / 3.225	- / -	- / -	110 / 25.338

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	8	0	8	8	0	0	4	12	0	0	0	19	0	0	0	18	0	0	0	19	0	0	14	0	0	-	-	-	-	0	110
Out	4	4	4	4	4	4	4	4	4	4	4	5	5	4	5	4	4	5	5	5	5	4	4	4	4	2	-	-	-	0	110

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C01700 / C-17A	Modification Number / Title: 9741 / Beyond Line of Sight (BLOS)

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	5.469	11.323	80.195	101.300	0.000	101.300	47.198	118.221	120.643	115.155	0.000	599.504
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	5.469	11.323	80.195	101.300	0.000	101.300	47.198	118.221	120.643	115.155	0.000	599.504
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5.469	11.323	80.195	101.300	0.000	101.300	47.198	118.221	120.643	115.155	0.000	599.504

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

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

Description:

Beyond Line-Of-Sight (BLOS) modernization modification is a development, integration, and retrofit program for C-17 communications. BLOS modifies and modernizes hardware and software for voice and data communications on the C-17.

The program will modify both integrated aircraft avionics as well as back-end mission communications and will utilize both military and commercial satellite systems to extend communication ranges. The current ACAT III program includes (1) replacement of the hardware/software used for commercial L-Band SATCOM communications utilized for Federal Aviation Administration (FAA) safety services, Controller Pilot Data Link Communications (CPDLC), Future Air Navigation System (FANS-1/A), Automatic Dependent Surveillance - Contract (ADS-C)), (2) modernization of ARC-210 radio to meet NSA cryptologic mandates and integrate new waveforms (Mobile User Objective System (MUOS), Second generation Anti-jam Tactical UHF Radio for NATO (SATURN), Integrated Waveform (IW)), and (3) modernization of the C-17 HF encryption device used for secure HF communications (KYV-5 replaced with KYV-5M).

The BLOS program includes support for program management, system engineering.

Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. Project allocations by component are subject to total force mission priorities and aircraft availability.

Kits procured in July 2023 to be delivered in Jan 2025.

Funds prior to FY 2023 procured component level items. Full kit procurement began in FY 2023.

BLOS has an FAA mandate for Aero I of 31 Dec 2026.
BLOS has a Comm/Crypto NSA classified mandate.

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

Milestone/Development Status

Program Preliminary Design Review (PDR) complete Oct 2020.
Program Critical Design Review (CDR) complete Mar 2021.
Initial Integrated Test occurred Jul 2022 - Oct 2022.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C01700 / C-17A	Modification Number / Title: 9741 / Beyond Line of Sight (BLOS)
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:
Retrofit contract award projected Jul 2023. Follow on Flight Test projected Jan 2024-Apr 2024. Milestone C Review including final Technical Data Review TBD. Installation contract award projected to award Jul 2024. Final Installation on aircraft to scheduled to occur fourth quarter FY 2027.		

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.509	63.823	63.626	-	63.626	31.119	108.884	115.089	115.155
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.907	10.915	25.191	-	25.191	10.934	5.942	3.658	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.907	5.457	12.483	-	12.483	5.145	3.395	1.896	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	11.323	80.195	101.300	0.000	101.300	47.198	118.221	120.643	115.155

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C01700 / C-17A					Modification Number / Title: 9741 / Beyond Line of Sight (BLOS)			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: C-17				Modification Type: Capability Improvement				Related RDT&E PEs: 0401130F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: BLOS</i>													
B Kits													
Recurring													
BLOS:EQUIPMENT Group B (Active)	5 / 5.469	4 / 2.906	49 / 33.427	31 / 22.366	- / -	31 / 22.366	- / -	59 / 50.081	- / -	- / -	- / -	148 / 114.249	
BLOS:EQUIPMENT Group B (Guard)	- / -	4 / 2.907	16 / 10.915	21 / 15.151	- / -	21 / 15.151	- / -	7 / 5.942	- / -	- / -	- / -	48 / 34.915	
BLOS:EQUIPMENT Group B (Reserve)	- / -	4 / 2.907	8 / 5.457	10 / 7.215	- / -	10 / 7.215	- / -	4 / 3.395	- / -	- / -	- / -	26 / 18.974	
<i>Subtotal: Recurring</i>	- / 5.469	- / 8.720	- / 49.799	- / 44.732	- / -	- / 44.732	- / -	- / 59.418	- / -	- / -	- / -	- / 168.138	
<i>Subtotal: BLOS</i>	- / 5.469	- / 8.720	- / 49.799	- / 44.732	- / -	- / 44.732	- / -	- / 59.418	- / -	- / -	- / -	- / 168.138	
<i>Subtotal: Procurement, All Modification Items</i>	- / 5.469	- / 8.720	- / 49.799	- / 44.732	- / -	- / 44.732	- / -	- / 59.418	- / -	- / -	- / -	- / 168.138	
Support (All Modification Items)													
PSC - Contractor Services	- / -	- / 2.603	- / 17.332	- / 16.660	- / -	- / 16.660	- / 4.887	- / 8.000	- / 10.045	- / 8.927	- / -	- / 48.454	
SUPPORT-EQUIP	- / -	- / -	- / 23.064	- / 13.468	- / -	- / 13.468	- / 10.228	- / 50.803	- / 73.474	- / 106.228	- / -	- / 257.265	
SIM/TRAINER	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.702	- / -	- / -	- / -	- / -	- / 10.702	
<i>Subtotal: Support</i>	- / -	- / 2.603	- / 30.396	- / 10.128	- / -	- / 10.128	- / 15.817	- / 58.803	- / 83.519	- / 115.155	- / -	- / 316.421	
Installation													
<i>Modification Item 1 of 1: BLOS</i>	- / -	- / -	- / -	90 / 46.440	- / -	90 / 46.440	62 / 31.381	- / -	70 / 37.124	- / -	- / -	222 / 114.945	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	90 / 46.440	- / -	90 / 46.440	62 / 31.381	- / -	70 / 37.124	- / -	- / -	222 / 114.945	
Total													
Total Cost (Procurement + Support + Installation)	5.469	11.323	80.195	101.300	0.000	101.300	47.198	118.221	120.643	115.155	0.000	599.504	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C01700 / C-17A	Modification Number / Title: 9741 / Beyond Line of Sight (BLOS)
---	--	---

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

Modification Item 1 of 1: BLOS

Manufacturer Information

Manufacturer Name: Boeing	Manufacturer Location: Long Beach, CA
Administrative Leadtime (in Months): 8	Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jun 2022	Jun 2023	Jun 2024		Jun 2026		
Delivery Dates	Jun 2023	Jun 2024	Jun 2025		Jun 2027		

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	2 / 0.752	- / -	2 / 0.752	- / -	- / -	- / -	- / -	- / -	2 / 0.752
FY 2022	- / -	- / -	- / -	4 / 1.504	- / -	4 / 1.504	- / -	- / -	- / -	- / -	- / -	4 / 1.504
FY 2023	- / -	- / -	- / -	58 / 34.408	- / -	58 / 34.408	- / -	- / -	- / -	- / -	- / -	58 / 34.408
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	41 / 23.296	- / -	- / -	- / -	- / -	41 / 23.296
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 27.786	- / -	- / -	47 / 27.786
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	64 / 36.664	- / -	64 / 36.664	41 / 23.296	- / -	47 / 27.786	- / -	- / -	152 / 87.746

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	2	-	16	16	15	15	11	10	10	10	-	-	-	-	12	13	13	9	-	0	152
Out	0	-	-	-	-	-	-	-	-	-	-	0	2	0	16	16	15	15	11	10	10	10	-	-	-	12	13	13	9	0	152

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	3 / 1.128	- / -	3 / 1.128	- / -	- / -	- / -	- / -	- / -	3 / 1.128

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C01700 / C-17A	Modification Number / Title: 9741 / Beyond Line of Sight (BLOS)
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

Modification Item 1 of 1: BLOS

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2022	- / -	- / -	- / -	8 / 3.008	- / -	8 / 3.008	- / -	- / -	- / -	- / -	- / -	8 / 3.008
FY 2023	- / -	- / -	- / -	15 / 5.640	- / -	15 / 5.640	- / -	- / -	- / -	- / -	- / -	15 / 5.640
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	21 / 8.085	- / -	- / -	- / -	- / -	21 / 8.085
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 9.338	- / -	- / -	23 / 9.338
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	26 / 9.776	- / -	26 / 9.776	21 / 8.085	- / -	23 / 9.338	- / -	- / -	70 / 27.199

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	7	7	6	6	6	6	6	3	-	-	-	-	3	7	7	6	-	0	70
Out	0	-	-	-	-	-	-	-	-	-	-	-	0	0	7	7	6	6	6	6	6	3	-	-	0	0	3	7	7	6	70

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C03200 / C-32A
--	--

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0504314F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	243.795	1.949	4.068	19.060	-	19.060	7.111	0.010	0.010	0.010	-	276.013
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	243.795	1.949	4.068	19.060	-	19.060	7.111	0.010	0.010	0.010	-	276.013
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	243.795	1.949	4.068	19.060	-	19.060	7.111	0.010	0.010	0.010	-	276.013

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

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

Description:

This line item funds all aircraft modifications for four (4) C-32A aircraft, a commercial derivative of the Boeing 757-200. The C-32A is a twin-engine, turboprop aircraft used to transport high-ranking United States government officials worldwide. The C-32 is expected to be in service until 2038, with an average of 14 years of service remaining. This funding may include emerging modification requirements to support Program Support Costs (PSC), Advisory and Assistance Services (A&AS), systems integration lab, trainers, equipment, other government costs, and Senior Leader Communications System modernization efforts.

Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability of the C-32 fleet.

Presidential National Voice Conferencing (PNVC) Modification will enable encrypted communications for key members of national defense leadership on protected systems.

Crypto Modernization will replace the obsolescing Ultra High Frequency (UHF) Military Satellite Communication (SATCOM) System with a system that can connect to the Mobile User Objective System (MUOS) satellite constellation.

Funding may be used to address Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues.

Funding for this exhibit is contained in PEs 0401314F and 0504314F.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.010	2.033	19.060	-	19.060	7.111	0.010	0.010
AFNG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.939	2.035	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C03200 / C-32A
--	--

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0504314F
--	--	---

Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	1.949	4.068	19.060	-	19.060	7.111	0.010	0.010	0.010

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

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C03200 / C-32A

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0504314F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	1110 / Nitrogen Generation System (Other)				- / 22.120	- / -	- / -	- / -	- / -	- / -
P-40a***	1116 / WIDEBAND SATCOM (Capability Improvement)				- / 179.246	- / -	- / -	- / -	- / -	- / -
P-40a***	1117 / CNS/ATM Compliance (Capability Improvement)				- / 14.857	- / -	- / -	- / -	- / -	- / -
P-40a***	1119 / Crew Rest Seats (Capability Improvement)				- / 11.766	- / -	- / -	- / -	- / -	- / -
P-40a***	99999S / SERVICE BULLETINS (Capability Improvement)				- / 0.976	- / 0.005	- / 1.016	- / 0.010	- / -	- / 0.010
P-40a***	99999SG / 99999SG - Service Bulletins - C-32B (Capability Improvement)				- / 4.911	- / -	- / -	- / -	- / -	- / -
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 0.014	- / 0.005	- / 1.017	- / 0.445	- / -	- / 0.445
P-40a***	99999XG / 99999XG - Low Cost Mods - C-32B (Capability Improvement)				- / 9.905	- / 1.939	- / 2.035	- / -	- / -	- / -
P-3a	1120 / PNVC (Capability Improvement)		B		- / -	- / -	- / -	- / 11.655	- / 0.000	- / 11.655
P-3a	1121 / Crypto Mod 1 (Capability Improvement)		B		- / -	- / -	- / -	- / 6.950	- / 0.000	- / 6.950
P-40	Total Gross/Weapon System Cost				- / 243.795	- / 1.949	- / 4.068	- / 19.060	- / -	- / 19.060

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	1110 / Nitrogen Generation System (Other)				- / -	- / -	- / -	- / -	- / -	- / 22.120
P-40a***	1116 / WIDEBAND SATCOM (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 179.246
P-40a***	1117 / CNS/ATM Compliance (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 14.857
P-40a***	1119 / Crew Rest Seats (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 11.766
P-40a***	99999S / SERVICE BULLETINS (Capability Improvement)				- / 0.005	- / 0.005	- / 0.005	- / 0.005	- / -	- / 2.027
P-40a***	99999SG / 99999SG - Service Bulletins - C-32B (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 4.911
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 0.005	- / 0.005	- / 0.005	- / 0.005	- / -	- / 1.501
P-40a***	99999XG / 99999XG - Low Cost Mods - C-32B (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 13.879
P-3a	1120 / PNVC (Capability Improvement)		B		- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 11.655
P-3a	1121 / Crypto Mod 1 (Capability Improvement)		B		- / 7.101	- / 0.000	- / 0.000	- / 0.000	- / -	- / 14.051
P-40	Total Gross/Weapon System Cost				- / 7.111	- / 0.010	- / 0.010	- / 0.010	- / -	- / 276.013

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

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

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

Justification:

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft		P-1 Line Item Number / Title: C03200 / C-32A
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0504314F

Line Item MDAP/MAIS Code: N/A

This program, P-3A Mod 1120, PNVC, is a new start.
This program, P-3A Mod 1121, Crypto Mod 1, is a new start.

FY24: Funding is required for low cost mods, service bulletins, Presidential & National Voice Conferencing (PNVC) modification to one (1) C-32A aircraft, and Crypto mod to four (4) C-32A aircraft.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C03200 / C-32A	Modification Number / Title: 1120 / PNVC

ID Code (A=Service Ready, B=Not Service Ready) : B						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	11.655	0.000	11.655	0.000	0.000	0.000	0.000	-	11.655
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	-	11.655	0.000	11.655	0.000	0.000	0.000	0.000	-	11.655
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	11.655	0.000	11.655	0.000	0.000	0.000	0.000	-	11.655
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program, P-3A Mod 1120, PNVC, is a new start.

Milestone/Development Status

The current Very Important Person / Special Airlift Mission (VIPSAM) Protected Satellite Communication (SATCOM) (VPS) voice conferencing system, Survivable Emergency Conferencing Network-Digitization (SECN-DZ), is approaching end of life. Presidential and National Voice Conferencing (PNVC) is the next generation voice conferencing system, providing superior voice quality.

This program will install Presidential and National Voice Conferencing (PNVC) system on remaining C-32A aircraft. The FY24 budget will purchase kits and installations for one (1) C-32 aircraft. Two (2) aircraft were previously completed with prior years funding. There is one (1) remaining after this to finish the fleet.

DOD Chief Information Officer (CIO) office has directed PNVC to become operational in the near future. Presidential and National Voice Conferencing (PNVC) provides secure, survivable voice conferencing to execute NC3 mission by:

- President of the United States (POTUS)
- Combatant Commanders (4-star general and flag officers)
- Department of Defense (DoD)
- Federal agencies (FEMA, State, Energy, Intelligence, the White House, etc.)

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	11.655	-	11.655	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	11.655	0.000	11.655	0.000	0.000	0.000	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3				P-1 Line Item Number / Title: C03200 / C-32A					Modification Number / Title: 1120 / PNVC			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: C-32A				Modification Type: Capability Improvement				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1:</i> PNVC												
A Kits												
Recurring												
PNVC:INSTALL KITS Group A (Active)												
	- / -	- / -	- / -	1 / 4.450	- / -	1 / 4.450	- / -	- / -	- / -	- / -	- / -	1 / 4.450
<i>Subtotal: Recurring</i>												
	- / -	- / -	- / -	- / 4.450	- / -	- / 4.450	- / -	- / -	- / -	- / -	- / -	- / 4.450
B Kits												
Recurring												
PNVC:EQUIPMENT Group B (Active)												
	- / -	- / -	- / -	1 / 2.000	- / -	1 / 2.000	- / -	- / -	- / -	- / -	- / -	1 / 2.000
<i>Subtotal: Recurring</i>												
	- / -	- / -	- / -	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / 2.000
<i>Subtotal: PNVC</i>												
	- / -	- / -	- / -	- / 6.450	- / -	- / 6.450	- / -	- / -	- / -	- / -	- / -	- / 6.450
<i>Subtotal: Procurement, All Modification Items</i>												
	- / -	- / -	- / -	- / 6.450	- / -	- / 6.450	- / -	- / -	- / -	- / -	- / -	- / 6.450
Support (All Modification Items)												
GROUP A: TOTAL NONRECURRING												
	- / -	- / -	- / -	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 1.000
PMA - Contractor Services												
	- / -	- / -	- / -	- / 0.074	- / -	- / 0.074	- / -	- / -	- / -	- / -	- / -	- / 0.074
PMA - Other Gov't Costs												
	- / -	- / -	- / -	- / 0.131	- / -	- / 0.131	- / -	- / -	- / -	- / -	- / -	- / 0.131
<i>Subtotal: Support</i>												
	- / -	- / -	- / -	- / 1.205	- / -	- / 1.205	- / -	- / -	- / -	- / -	- / -	- / 1.205
Installation												
<i>Modification Item 1 of 1:</i> PNVC												
	- / -	- / -	- / -	1 / 4.000	- / -	1 / 4.000	- / -	- / -	- / -	- / -	- / -	1 / 4.000
<i>Subtotal: Installation</i>												
	- / -	- / -	- / -	1 / 4.000	- / -	1 / 4.000	- / -	- / -	- / -	- / -	- / -	1 / 4.000
Total												
Total Cost (Procurement + Support + Installation)												
	-	-	-	11.655	0.000	11.655	0.000	0.000	0.000	0.000	0.000	11.655

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C03200 / C-32A	Modification Number / Title: 1120 / PNVC
---	--	--

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

Modification Item 1 of 1: PNVC

Manufacturer Information

Manufacturer Name: L-3 Harris	Manufacturer Location: Greenville, TX
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Oct 2023				
Delivery Dates			Oct 2024				

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	1 / 4.000	- / -	1 / 4.000	- / -	- / -	- / -	- / -	- / -	1 / 4.000
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 4.000	- / -	1 / 4.000	- / -	- / -	- / -	- / -	- / -	1 / 4.000

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C03200 / C-32A	Modification Number / Title: 1121 / Crypto Mod 1

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	6.950	0.000	6.950	7.101	0.000	0.000	0.000	-	14.051
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	-	6.950	0.000	6.950	7.101	0.000	0.000	0.000	-	14.051
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	6.950	0.000	6.950	7.101	0.000	0.000	0.000	-	14.051

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

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

Description:

This program, P-3A Mod 1121, Crypto Mod 1, is a new start.

Crypto Modernization replaces an obsolescing Ultra High Frequency (UHF) Military Satellite Communication (SATCOM) System utilizing an ARC-210 Gen VI enabling the aircraft to connect to the Mobile User Objective System (MUOS) satellite constellation.

National Security Agency and DoD Chief Information Officer directed policy mandating cryptography modernization efforts. The UHF Military Satellite Communication (SATCOM) systems require upgrade and/or replacement due to impending end-of-life of the UHF Follow On (UFO) satellite constellation. The expected result should provide narrowband (NB) internet protocol based (IP), secure, global, beyond line-of-sight (BLOS) satellite voice (recognition quality) and data communication for National Senior Leader connectivity utilizing the MUOS satellite constellation and waveform.

FY24 efforts will include four (4) kit purchases and Non-Recurring Installation Engineering required for four (4) C-32A installations in FY25.

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

Milestone/Development Status

Commercial-off-the-shelf item with non-recurring engineering for integration.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.950	-	6.950	7.101	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.950	0.000	6.950	7.101	0.000	0.000	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3				P-1 Line Item Number / Title: C03200 / C-32A					Modification Number / Title: 1121 / Crypto Mod 1			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: C-32				Modification Type: Capability Improvement				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1: Crypto Mod 1</i>												
A Kits												
Recurring												
Crypto Mod 1:INSTALL KITS Group A (Active)	- / -	- / -	- / -	4 / 3.600	- / -	4 / 3.600	- / -	- / -	- / -	- / -	- / -	4 / 3.600
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 3.600	- / -	- / 3.600	- / -	- / -	- / -	- / -	- / -	- / 3.600
B Kits												
Recurring												
Crypto Mod 1:EQUIPMENT Group B (Active)	- / -	- / -	- / -	4 / 2.000	- / -	4 / 2.000	- / -	- / -	- / -	- / -	- / -	4 / 2.000
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / 2.000
<i>Subtotal: Crypto Mod 1</i>	- / -	- / -	- / -	- / 5.600	- / -	- / 5.600	- / -	- / -	- / -	- / -	- / -	- / 5.600
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 5.600	- / -	- / 5.600	- / -	- / -	- / -	- / -	- / -	- / 5.600
Support (All Modification Items)												
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / -	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 1.000
PSC - Other Gov't Costs	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.051	- / -	- / -	- / -	- / -	- / 10.051
PMA - Contractor Services	- / -	- / -	- / -	- / 10.350	- / -	- / 10.350	- / 10.050	- / -	- / -	- / -	- / -	- / 10.400
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 1.350	- / -	- / 1.350	- / 10.101	- / -	- / -	- / -	- / -	- / 1.451
Installation												
<i>Modification Item 1 of 1: Crypto Mod 1</i>												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.000	- / -	- / -	- / -	- / -	4 / 7.000
Total												
Total Cost (Procurement + Support + Installation)	-	-	-	6.950	0.000	6.950	7.101	0.000	0.000	0.000	-	14.051

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C03200 / C-32A	Modification Number / Title: 1121 / Crypto Mod 1
---	--	--

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

Modification Item 1 of 1: Crypto Mod 1

Manufacturer Information

Manufacturer Name: L3 Harris	Manufacturer Location: Greenville, TX
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 18

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Oct 2023				
Delivery Dates			Apr 2025				

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.000	- / -	- / -	- / -	- / -	4 / 7.000
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.000	- / -	- / -	- / -	- / -	4 / 7.000

Installation Schedule

PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	0	4	
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	0	4	

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft	P-1 Line Item Number / Title: C03700 / C-37A
--	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	31.389	5.984	6.062	13.454	-	13.454	9.326	0.011	0.000	0.000	-	66.226
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	31.389	5.984	6.062	13.454	-	13.454	9.326	0.011	0.000	0.000	-	66.226
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	31.389	5.984	6.062	13.454	-	13.454	9.326	0.011	0.000	0.000	-	66.226

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

Initial Spares (<i>\$ in Millions</i>)	-	0.724	-	-	-	-	-	-	-	-	-	0.724
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds modifications to nine (9) C-37A and seven (7) C-37B aircraft, equivalent to commercial Gulfstream 5 and Gulfstream 550 aircraft. The C-37A/B is a twin-engine jet transport designed to transport high-ranking United States government officials worldwide. The designed service life for C-37B is 40,000 hours (average of 35,840 hours remaining). The designed service life for C-37A is 30,000 hours (average of 15,585 hours remaining). As the fleet nears the service life limits, additional evaluations are made for continued service.

The SAT 906 replacement program replaces an obsolescing Air Traffic Management System to ensure aircraft can fly in preferred airspace to save time and fuel.

Crypto Modernization will replace the obsolescing Ultra High Frequency (UHF) Military Satellite Communication (SATCOM) System with a system that can connect to the Mobile User Objective System (MUOS) satellite constellation.

Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration (FAA) certification while improving flight safety, reliability, and maintainability.

This funding may include, but is not limited to, emerging modification requirements to support Program Support Costs (PSC), Advisory & Assistance Services (A&AS), systems integration lab, trainers, equipment, other government costs, and Senior Leader Communications System modernization efforts.

Funding may be used to address Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues.

Funding for this exhibit is contained in PE 0401314F.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C03700 / C-37A

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	1117 / WIDEBAND SATCOM (Capability Improvement)				- / 12.985	- / -	- / -	- / -	- / -	- / -
P-40a***	1118 / CNS/ATM Compliance (Capability Improvement)				- / 17.606	- / -	- / -	- / -	- / -	- / -
P-40a***	1122 / SAT 906 (Capability Improvement)				- / -	- / 5.984	- / 4.320	- / 2.030	- / -	- / 2.030
P-40a***	99999S / SERVICE BULLETINS (Capability Improvement)				- / 0.100	- / -	- / 1.000	- / 0.005	- / -	- / 0.005
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 0.698	- / -	- / 0.742	- / 0.440	- / -	- / 0.440
P-3a	1123 / Crypto Mod 1 (Capability Improvement)		B		- / -	- / -	- / -	- / 10.979	- / 0.000	- / 10.979
P-40	Total Gross/Weapon System Cost				- / 31.389	- / 5.984	- / 6.062	- / 13.454	- / -	- / 13.454

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	1117 / WIDEBAND SATCOM (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 12.985
P-40a***	1118 / CNS/ATM Compliance (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 17.606
P-40a***	1122 / SAT 906 (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 12.334
P-40a***	99999S / SERVICE BULLETINS (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 1.105
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 1.880
P-3a	1123 / Crypto Mod 1 (Capability Improvement)		B		- / 9.326	- / 0.011	- / 0.000	- / 0.000	- / -	- / 20.316
P-40	Total Gross/Weapon System Cost				- / 9.326	- / 0.011	- / 0.000	- / 0.000	- / -	- / 66.226

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

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

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

Justification:
This program, P-3A Mod 1123, Crypto Mod 1, is a new start.

FY24: Funding is required for low cost mods, service bulletins, SAT 906 Replacement mod for three (3) C-37 aircraft, and Crypto mod for sixteen (16) C-37 aircraft.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C03700 / C-37A	Modification Number / Title: 1123 / Crypto Mod 1

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	10.979	0.000	10.979	9.326	0.011	0.000	0.000	-	20.316
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	-	-	10.979	0.000	10.979	9.326	0.011	0.000	0.000	-	20.316
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	10.979	0.000	10.979	9.326	0.011	0.000	0.000	-	20.316

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

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

Description:

This program, P-3A Mod 1123, Crypto Mod 1, is a new start.

Crypto Modernization replaces an obsolescing Ultra High Frequency (UHF) Military Satellite Communication (SATCOM) System utilizing an ARC-210 Gen VI enabling the aircraft to connect to the Mobile User Objective System (MUOS) satellite constellation.

National Security Agency and DoD Chief Information Officer directed policy mandating cryptography modernization efforts. The UHF Military Satellite Communication (SATCOM) systems require upgrade and/or replacement due to impending end-of-life of the UHF Follow On (UFO) satellite constellation. The expected result should provide narrowband (NB) internet protocol based (IP), secure, global, beyond line-of-sight (BLOS) satellite voice (recognition quality) and data communication for National Senior Leader connectivity utilizing the MUOS satellite constellation and waveform.

FY24 efforts will include sixteen (16) kits purchases and Non-Recurring Installation Engineering required for sixteen (16) C-37 installations in FY25.

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

Milestone/Development Status

Commercial-off-the-shelf item with non-recurring engineering for integration.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3					P-1 Line Item Number / Title: C03700 / C-37A					Modification Number / Title: 1123 / Crypto Mod 1			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: C-37				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Crypto Mod 1</i>													
A Kits													
Recurring													
Crypto Mod 1:INSTALL KITS Group A (Active)													
	- / -	- / -	- / -	16 / 7.200	- / -	16 / 7.200	- / -	- / -	- / -	- / -	- / -	16 / 7.200	
<i>Subtotal: Recurring</i>													
	- / -	- / -	- / -	- / 7.200	- / -	- / 7.200	- / -	- / -	- / -	- / -	- / -	- / 7.200	
B Kits													
Recurring													
Crypto Mod 1:EQUIPMENT Group B (Active)													
	- / -	- / -	- / -	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / 2.000	
<i>Subtotal: Recurring</i>													
	- / -	- / -	- / -	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / 2.000	
<i>Subtotal: Crypto Mod 1</i>													
	- / -	- / -	- / -	- / 9.200	- / -	- / 9.200	- / -	- / -	- / -	- / -	- / -	- / 9.200	
<i>Subtotal: Procurement, All Modification Items</i>													
	- / -	- / -	- / -	- / 9.200	- / -	- / 9.200	- / -	- / -	- / -	- / -	- / -	- / 9.200	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING													
	- / -	- / -	- / -	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 1.000	
PSC - Other Gov't Costs													
	- / -	- / -	- / -	- / 0.039	- / -	- / 0.039	- / 0.066	- / -	- / -	- / -	- / -	- / 0.105	
PSC - Contractor Services													
	- / -	- / -	- / -	- / 0.740	- / -	- / 0.740	- / 0.260	- / 0.011	- / -	- / -	- / -	- / 1.011	
<i>Subtotal: Support</i>													
	- / -	- / -	- / -	- / 1.779	- / -	- / 1.779	- / 0.326	- / 0.011	- / -	- / -	- / -	- / 2.116	
Installation													
<i>Modification Item 1 of 1: Crypto Mod 1</i>													
	- / -	- / -	- / -	- / -	- / -	- / -	16 / 9.000	- / -	- / -	- / -	- / -	16 / 9.000	
<i>Subtotal: Installation</i>													
	- / -	- / -	- / -	- / -	- / -	- / -	16 / 9.000	- / -	- / -	- / -	- / -	16 / 9.000	
Total													
Total Cost (Procurement + Support + Installation)													
	-	-	-	10.979	0.000	10.979	9.326	0.011	0.000	0.000	-	20.316	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3	P-1 Line Item Number / Title: C03700 / C-37A	Modification Number / Title: 1123 / Crypto Mod 1
---	--	--

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

Modification Item 1 of 1: Crypto Mod 1

Manufacturer Information

Manufacturer Name: ,	Manufacturer Location: Greenville, TX
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 18

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Oct 2023				
Delivery Dates			Apr 2025				

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	16 / 9.000	- / -	- / -	- / -	- / -	16 / 9.000
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	16 / 9.000	- / -	- / -	- / -	- / -	16 / 9.000

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	-	-	-	-	-	-	-	-	-	-	-	-	0	16	
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	-	-	-	-	-	-	-	-	-	-	-	-	0	16

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	P-1 Line Item Number / Title: GLID00 / Glider Mods
--	--

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0804748F	Other Related Program Elements: N/A
---	---	-------------------------------------

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	6.307	0.142	0.149	5.270	-	5.270	2.674	0.159	0.163	0.166	0.000	15.030
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	6.307	0.142	0.149	5.270	-	5.270	2.674	0.159	0.163	0.166	0.000	15.030
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	6.307	0.142	0.149	5.270	-	5.270	2.674	0.159	0.163	0.166	0.000	15.030

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

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

Description:

This line item funds modifications to the TG-15, TG-16 and TG-17 gliders, T-41, T-51, T-53 and UV-18 aircraft used at the United States Air Force Academy. Among gliders there are two TG-15A aircraft with a design service life of 6,000 hours, three TG-15B aircraft with a design service life of 6,000 hours, one TG-17 aircraft with a design service life of 9,000 hours, and 18 TG-16A aircraft with a design service life of 12,000 hours. Powered flight consists of four T-41D aircraft with a design service life of 60,000 hours, three T-51A aircraft with a design service life of 60,000 hours and 24 T-53A aircraft with a design service life of 12,000 hours. To support parachute jumping there are three UV-18B aircraft with a design service life of 40,000 hours. The primary effort in FY24 is Low Cost Modifications, which includes T-41 & T-51 avionics modification, T-53 performance enhancement, UV-18B spare engines, FAA Service Bulletins, Air Worthiness Directives, Program Support Costs, and studies and analysis.

T-53 performance enhancement is required to achieve climb requirement of 500'/min in all Density Altitude (DA) conditions as well as improve safety window for aircraft parachute deployment. AETC Studies & Analysis Squadron assessment indicates current aircraft configuration does not meet the AETC climb requirement of 500'/min up to 10K'DA. This AETC requirement is taken from USAFA T-53A Qualification Test & Evaluation - Oct 2011. Powered Flight Program (PFP) operations during the summer require mission execution at the extremes of the DA limits of the aircraft (10K'). Numerous tests and observations of climb performance since procurement indicate a marginal climb rate of approximately 400'/min. Current direction restricts deployment until above 500' above ground level. In the event of an engine failure, the Pilot-in-Command (PIC) would not have a safe alternative available. There are 23 aircraft in inventory and 23 will receive the modification between FY24-25.

This modification 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 0804748F.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft

P-1 Line Item Number / Title:
GLID00 / Glider Mods

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0804748F **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	5324 / T-53 PERFORMANCE ENHANCEMENT (Capability Improvement)				- / -	- / -	- / -	- / 4.900	- / -	- / 4.900
P-40a***	99999S / SERVICE BULLETINS (Reliability & Maintainability)				- / -	- / -	- / -	- / 0.270	- / -	- / 0.270
P-40a***	99999X / Low Cost Modifications (Reliability & Maintainability)				- / 6.307	- / 0.142	- / 0.149	- / 0.100	- / -	- / 0.100
P-40	Total Gross/Weapon System Cost				- / 6.307	- / 0.142	- / 0.149	- / 5.270	- / -	- / 5.270

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	5324 / T-53 PERFORMANCE ENHANCEMENT (Capability Improvement)				- / 2.600	- / -	- / -	- / -	- / -	- / 7.500
P-40a***	99999S / SERVICE BULLETINS (Reliability & Maintainability)				- / 0.014	- / 0.059	- / 0.063	- / 0.066	- / -	- / 0.472
P-40a***	99999X / Low Cost Modifications (Reliability & Maintainability)				- / 0.060	- / 0.100	- / 0.100	- / 0.100	- / -	- / 7.058
P-40	Total Gross/Weapon System Cost				- / 2.674	- / 0.159	- / 0.163	- / 0.166	- / 0.000	- / 15.030

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

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

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

Justification:
This program, P-3A Mod 5324, T-53 PERFORMANCE ENHANCEMENT, is a new start.

FY24 Funding is required to ensure airworthiness of U.S. Air Force Academy aircraft and for low-cost modifications to extend service life, improve performance, and modernize the weapon systems.

The T-53 performance enhancement modification will procure and install 15 enhancement kits in FY24.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	P-1 Line Item Number / Title: JPAT00 / T-6
---	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0604233F, 0804740F	Other Related Program Elements: 0604233F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	148.011	8.735	6.215	2.942	-	2.942	157.727	417.022	147.110	371.645	23.198	1,282.605
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	148.011	8.735	6.215	2.942	-	2.942	157.727	417.022	147.110	371.645	23.198	1,282.605
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	148.011	8.735	6.215	2.942	-	2.942	157.727	417.022	147.110	371.645	23.198	1,282.605

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	11.047	10.280	10.547	-	-	31.874
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

T-6 replaced the USAF T-37B and USN T-34C training aircraft and their associated ground based training systems. The T-6 aircraft provides significant improvements over the aircraft it replaced, including a 0/0 ejection seat which accommodates a larger anthropometric pilot population, a pressurized cockpit, gravitational-force (g-force) strain reduction capabilities, and increased birdstrike protection. There are currently 443 USAF T-6A aircraft [442 AETC A/C; one (1) USAF Owned, OEM Test A/C] in the inventory. Remaining service life is up to 39 years from the final delivery in May 2010.

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

Funding contained in this platform's documentation directly aids Air Education Training Command (AETC) flying training enterprise to continue its overall pilot production increase starting in FY 2021 thus reducing the USAF Pilot Shortage.

Funding for this exhibit contained in PE 0804740F.

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

Justification:

Primary efforts in FY24 include Crash Survivable Recorder, T-6 Aircrew Training Device Modernization, Crew System Modernization, Service Bulletins, and Low Cost Modifications.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	P-1 Line Item Number / Title: T00100 / T-1
--	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0804741F	Other Related Program Elements: N/A
---	---	-------------------------------------

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	99.237	0.872	6.262	10.950	-	10.950	0.133	0.137	0.140	3.571	-	121.302
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	99.237	0.872	6.262	10.950	-	10.950	0.133	0.137	0.140	3.571	-	121.302
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	99.237	0.872	6.262	10.950	-	10.950	0.133	0.137	0.140	3.571	-	121.302

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

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

Description:

The T-1A is a missionized Beech 400A used in the Airlift/Tanker track of the USAF Specialized Undergraduate Pilot Training (SUPT) and in Combat Systems Officer (CSO) training for Air Education and Training Command (AETC). It is powered by two Pratt and Whitney JT15D-5 turbofan engines mounted on the aft fuselage producing 2,900 pounds of thrust each. Avionics include Ultra High Frequency (UHF) and Very High Frequency (VHF) radios, Inertial Navigation System (INS), Tactical Air Navigation (TACAN), Airborne Direction Finder (ADF), and two Very High Frequency Omni Range/Instrument Landing System (VOR/ILS). Aircraft modified for CSO training include a Global Positioning System (GPS)-driven synthetic radar and simulated Radar Warning Receiver (RWR) in the right seat flight deck position to be utilized by the student CSO. A second student station and a second instructor station have also been added in the rear of the aircraft. The remaining fiscal years are critical for AETC to execute the AFM-S mission under UPT 2.5.

The primary effort in FY 2024 is the Avionics Modification.

Funding may be used to address Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues, Program Support Costs, and studies.

This line item funds avionics modifications to the T-1A aircraft and simulators. This effort will install the 73 previously acquired modification kits into T-1A trainer aircraft, 16 Operational Flight Trainers (OFTs) and deliver 14 Part Task Trainers (PTTs). All 21 CSO training-configured aircraft will receive the modification as well as 52 SUPT aircraft. The remaining 104 T-1A aircraft will not be modified due to the planned divestiture of the aircraft.

USAF plans to maintain 21 CSO training-configured T-1A aircraft. T-1A OFTs and PTTs will continue to be supported and will require modernization software upgrades.

Funding is required to ensure airworthiness of T-1A aircraft, for low-cost modifications, maintaining training simulators and to extend the service life of the weapon system. Low-cost modifications including Crash Survivable Recorder (CSR).

Funding for this exhibit contained in PE 0804741F.

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

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft

P-1 Line Item Number / Title:
T00100 / T-1

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0804741F **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	8998 / Crew Relief Station Replacement (Reliability & Maintainability)				- / 0.282	- / -	- / -	- / -	- / -	- / -
P-40a***	99999X / Low Cost Modifications (Reliability & Maintainability)				- / 2.970	- / -	- / 0.100	- / 3.869	- / -	- / 3.869
P-3a	8997 / Avionics Modification (Capability Improvement)		A		- / 95.985	- / 0.872	- / 6.162	- / 7.081	- / 0.000	- / 7.081
P-40	Total Gross/Weapon System Cost				- / 99.237	- / 0.872	- / 6.262	- / 10.950	- / -	- / 10.950

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	8998 / Crew Relief Station Replacement (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 0.282
P-40a***	99999X / Low Cost Modifications (Reliability & Maintainability)				- / 0.133	- / 0.137	- / 0.140	- / 3.571	- / -	- / 10.920
P-3a	8997 / Avionics Modification (Capability Improvement)		A		- / 0.000	- / -	- / -	- / -	- / -	- / 110.100
P-40	Total Gross/Weapon System Cost				- / 0.133	- / 0.137	- / 0.140	- / 3.571	- / -	- / 121.302

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

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

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

Justification:
FY24 funding will procure 5 Operational Flight Trainer (OFT) and 4 Part Task Trainer (PTT) kits and installations.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T00100 / T-1	Modification Number / Title: 8997 / Avionics Modification

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	95.985	0.872	6.162	7.081	0.000	7.081	0.000	-	-	-	-	110.100
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	95.985	0.872	6.162	7.081	0.000	7.081	0.000	-	-	-	-	110.100
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	95.985	0.872	6.162	7.081	0.000	7.081	0.000	-	-	-	-	110.100

(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	-	0.000	-	-	-	-	0.000	0.000
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The justification/approval for the T-1A Avionics Modification Program is documented on an AF Form 1067, signed February 2014 by AETC/A5/8/9. The 1067 was approved by the Air Force Requirement Oversight Council in June 2014, which established the requirement identified above to replace the existing avionics suite throughout the fleet of 177 aircraft, 16 Operational Flight Trainers, and 14 Part Task Trainers. This effort will require integration engineering for the installation of a current industry standard avionics suite with the legacy aircraft.

104 T-1A aircraft will not be modified due to the planned divestiture of the aircraft.

AETC/CC signed National Security Waiver (NSW) concurrence memo 01 Jun 21; SECAF approved T-1A NSW 3 Sep 21; provides authority to modify an additional 18 aircraft.

Funding request reduced from FY20-FY24 budget for planned divestment of T-1A airlift/tanker Undergraduate Pilot Training fleet (157 aircraft) beginning in FY23. USAF plans to maintain 21 CSO training-configured T-1A aircraft.

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

Milestone/Development Status

- Contract Award - SRR/SFR - Aircraft Preliminary Integration Review - Simulator Preliminary Integration Review - Technical Order Guidance Conference - Aircraft Critical Integration Review - First Article Inducted - Technical Order 75% In-Process Review - Second First Article Inducted - 100% Technical Order IPR - Test Readiness Review (TRR) - Simulator Critical Integration Review - Production Readiness Review - First LRIP AC Induction (CSO) - MX Val/Ver - FM Val/Ver - MX Training - Second LRIP AC Induction (SUPT) - Supplemental Type Certificate (STC) approved by FAA - Third LRIP AC Induction (SUPT) - Fourth LRIP Induction (CSO) - Field Development Evaluation Completed - Fifth LRIP AC Induction (SUPT) - Operation Flight Training (VN) Modification Induction - Operation Flight Training (NASP) Modification Induction - First Article Aircraft Delivered - Force Development Evaluation (FDE) - Full Rate Production Brief - FRP Acquisition Decision Memorandum Signed - FRP ADM Signed - Option 1 Awarded - LRIP Complete - Official Flight Manuals and MX Tech Orders Delivered - Base year contract complete - Option 1; 25 of 25 FRP RTS, 5 of 5 SIM delivered - Option 2 Awarded - Option 2 completed - 23 of 23 FRP RTS, 6 of 6 SIM delivered - Option 3 Awarded - 18 of 18 FRP RTS, 5 of 5 SIM delivered - Option 4 Awarded simulators only - 0 of 2 delivered - Option 5 estimated award June 2023 simulators only - 0 of 9 delivered

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4					P-1 Line Item Number / Title: T00100 / T-1					Modification Number / Title: 8997 / Avionics Modification			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: T-1A				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: T-1A Avionics Replacement Kit (ARK)</i>													
A Kits													
Recurring													
T-1A Avionics Replacement Kit (ARK):INSTALL KITS Group A (Active)	73 / 21.536	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	73 / 21.536	
<i>Subtotal: Recurring</i>	- / 21.536	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.536	
B Kits													
Recurring													
T-1A Avionics Replacement Kit (ARK):EQUIPMENT Group B (Active)	73 / 14.011	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	73 / 14.011	
<i>Subtotal: Recurring</i>	- / 14.011	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.011	
<i>Subtotal: T-1A Avionics Replacement Kit (ARK)</i>	- / 35.547	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 35.547	
<i>Subtotal: Procurement, All Modification Items</i>	- / 35.547	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 35.547	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 11.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.500	
Change Orders	- / 3.236	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.236	
Data	- / 3.090	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.090	
SIM/TRAINER	16 / 15.190	2 / 0.872	4 / 5.617	5 / 6.520	- / -	5 / 6.520	- / -	- / -	- / -	- / -	- / -	27 / 28.199	
A&AS	- / 2.394	- / -	- / 0.545	- / 0.561	- / -	- / 0.561	- / -	- / -	- / -	- / -	- / -	- / 3.500	
PSC - Contractor Services	- / 3.891	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.891	
<i>Subtotal: Support</i>	16 / 39.301	2 / 0.872	4 / 6.162	5 / 7.081	- / -	5 / 7.081	- / -	- / -	- / -	- / -	- / -	27 / 53.416	
Installation													
<i>Modification Item 1 of 1: T-1A Avionics Replacement Kit (ARK)</i>	73 / 21.137	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	73 / 21.137	
<i>Subtotal: Installation</i>	73 / 21.137	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	73 / 21.137	
Total													
Total Cost (Procurement + Support + Installation)	95.985	0.872	6.162	7.081	0.000	7.081	0.000	-	-	-	-	110.100	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T00100 / T-1	Modification Number / Title: 8997 / Avionics Modification
---	--	---

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

Modification Item 1 of 1: T-1A Avionics Replacement Kit (ARK)

Manufacturer Information

Manufacturer Name: Field Aerospace	Manufacturer Location: Contractor Facility
Administrative Leadtime (in Months): 10	Production Leadtime (in Months): 1

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	73 / 21.137	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	73 / 21.137
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	73 / 21.137	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	73 / 21.137

Installation Schedule

PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	55	4	4	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	73
Out	55	4	4	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	73

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft	P-1 Line Item Number / Title: T03800 / T-38
--	---

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0604233F, 0804741F	Other Related Program Elements: 0604233F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	416.023	45.039	97.485	125.340	-	125.340	83.254	52.294	88.267	56.418	100.196	1,064.316
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	416.023	45.039	97.485	125.340	-	125.340	83.254	52.294	88.267	56.418	100.196	1,064.316
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	416.023	45.039	97.485	125.340	-	125.340	83.254	52.294	88.267	56.418	100.196	1,064.316

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

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

Description:

The T-38 is a twin-engine, two-seat (tandem), supersonic jet trainer. The T-38C is used by Air Education and Training Command (AETC) as an advanced trainer in Specialized Undergraduate Pilot Training and Introduction to Fighter Fundamentals, and by Air Force Materiel Command (AFMC) as a test bed for fighter-type aircraft capability. T-38A/B aircraft are used by Air Combat Command (ACC) as a companion trainer for U-2 operational units and in Adversary Air (ADAIR) exercises supporting F-22 readiness, and by Air Force Global Strike Command (AFGSC) as a companion trainer for B-2 operational units. There are currently 497 active T-38s in the Air Force inventory (53 T-38A, six (6) AT-38B and 438 T-38C). T-38s first entered service in 1960 and average age is over 50 years old.

Funding may be used to address Diminishing Manufacturing Sources (DMS) issues and modification projects required by MAJCOMs

Funding for this exhibit contained in PE 0804741F.

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

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft

P-1 Line Item Number / Title:
T03800 / T-38

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0604233F, 0804741F **Other Related Program Elements:** 0604233F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	6092 / T-38 A/B ADS-B Out (Reliability & Maintainability)				- / 8.269	- / -	- / -	- / -	- / -	- / -
P-40a***	6093 / T-38 Canopy (Safety)				- / 3.717	- / 0.200	- / -	- / -	- / -	- / -
P-40a***	6094 / T-38A/B ESUP II (Safety)				- / 5.000	- / -	- / 26.408	- / -	- / -	- / -
P-40a***	99999A / LOW COST SAFETY MODIFICATIONS (Safety)				- / 0.034	- / -	- / -	- / -	- / -	- / -
P-40a***	99999X / Low Cost Modifications (Service Life Extension)				- / 0.049	- / -	- / -	- / 0.511	- / -	- / 0.511
P-3a	6088 / Pacer Classic III (Service Life Extension)		A		- / 276.062	- / 37.106	- / 40.340	- / 46.403	- / 0.000	- / 46.403
P-3a	6090 / T-38 Avionics (Reliability & Maintainability)		B		- / 117.527	- / 0.000	- / 12.764	- / 54.302	- / 0.000	- / 54.302
P-3a	6091 / Talon Repair, Inspection and Maintenance (Reliability & Maintainability)		A		- / 5.365	- / 7.733	- / 17.973	- / 24.124	- / 0.000	- / 24.124
P-40	Total Gross/Weapon System Cost				- / 416.023	- / 45.039	- / 97.485	- / 125.340	- / -	- / 125.340

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	6092 / T-38 A/B ADS-B Out (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 8.269
P-40a***	6093 / T-38 Canopy (Safety)				- / -	- / -	- / -	- / -	- / -	- / 3.917
P-40a***	6094 / T-38A/B ESUP II (Safety)				- / -	- / -	- / -	- / -	- / -	- / 31.408
P-40a***	99999A / LOW COST SAFETY MODIFICATIONS (Safety)				- / 0.005	- / 0.005	- / 0.005	- / 0.005	- / -	- / 0.054
P-40a***	99999X / Low Cost Modifications (Service Life Extension)				- / 0.006	- / 1.450	- / 1.162	- / 0.006	- / -	- / 3.184
P-3a	6088 / Pacer Classic III (Service Life Extension)		A		- / 33.646	- / 0.000	- / 14.800	- / -	- / -	- / 448.357
P-3a	6090 / T-38 Avionics (Reliability & Maintainability)		B		- / 16.502	- / 6.063	- / 0.565	- / 0.000	- / 0.000	- / 207.723
P-3a	6091 / Talon Repair, Inspection and Maintenance (Reliability & Maintainability)		A		- / 33.095	- / 44.776	- / 71.735	- / 56.407	- / 100.196	- / 361.404
P-40	Total Gross/Weapon System Cost				- / 83.254	- / 52.294	- / 88.267	- / 56.418	- / 100.196	- / 1,064.316

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

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

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

Justification:
T-38 structural modernization programs include the Pacer Classic III (PCIII) service life extension and the Talon Repair, Inspection, and Maintenance (TRIM) program. Full funding of these efforts is required to ensure that the T-38 fleet remains viable as a primary training platform until a replacement aircraft is fielded.

Procurement of T-38 avionics components is focused on modifications needed to overcome part obsolescence, aging of critical components, and emerging safety concerns. Projects include but are not limited to replacements to the T-38C fleet for the Electronic Engine Display (EED), Multi-Function Display (MFD), Video Data Transfer Unit (VDTU), and Head-Up Display Camera (HUDC), which are DMSMS projects that are necessary to keep T-38C serviceable for training requirements beyond March 2026.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft		P-1 Line Item Number / Title: T03800 / T-38
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0604233F, 0804741F	Other Related Program Elements: 0604233F
Line Item MDAP/MAIS Code: N/A		

Empty justification area for the budget line item.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T03800 / T-38	Modification Number / Title: 6088 / Pacer Classic III

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	276.062	37.106	40.340	46.403	0.000	46.403	33.646	0.000	14.800	-	-	448.357
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	276.062	37.106	40.340	46.403	0.000	46.403	33.646	0.000	14.800	-	-	448.357
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	276.062	37.106	40.340	46.403	0.000	46.403	33.646	0.000	14.800	-	-	448.357

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

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

Description:

Pacer Classic III (PCIII) is a depot-level modification program which replaces known life-limited components and ensures structural sustainment of 180 T-38C aircraft which are otherwise at high risk of grounding. Timely modifications will ensure continued execution of the Air Education and Training Command (AETC) advanced undergraduate pilot training mission. PCIII will replace major structural components within the aircraft fuselage including major longerons, bulkhead/formers, internal skins, and structural floors. These modifications have been categorized as Safety of Flight and determined by HQ Air Force Materiel Command (AFMC) to be required to correct materiel deficiencies to ensure safety of personnel, systems, or equipment. If uncorrected, the structural performance risk will ground the system or equipment, restrict flight or ground operations, or result in an unacceptable risk to personnel. PCIII installations are being performed by 575 AMXS at JBSA-Randolph, Texas.

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

Milestone/Development Status

Production and deployment underway.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4					P-1 Line Item Number / Title: T03800 / T-38					Modification Number / Title: 6088 / Pacer Classic III			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: T-38				Modification Type: Service Life Extension				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> Aircraft Modification Kits													
A Kits													
Recurring													
Aircraft Modification Kits:INSTALL KITS Group A (Active)	180 / 56.753	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	180 / 56.753	
<i>Subtotal: Recurring</i>	- / 56.753	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 56.753	
<i>Subtotal: Aircraft Modification Kits</i>	- / 56.753	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 56.753	
<i>Subtotal: Procurement, All Modification Items</i>	- / 56.753	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 56.753	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	0 / 17.791	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 17.791	
Data	- / 11.227	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.227	
SUPPORT-EQUIP	- / 0.031	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.031	
OTHER GOVT	- / 13.506	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.800	- / -	- / -	- / 28.306	
PSC - Contractor Services	- / 4.300	- / 0.520	- / 2.860	- / 1.400	- / -	- / 1.400	- / 1.500	- / -	- / -	- / -	- / -	- / 10.580	
PSC - Other Gov't Costs	- / 1.189	- / 0.050	- / 0.050	- / 0.050	- / -	- / 0.050	- / 0.050	- / -	- / -	- / -	- / -	- / 1.389	
<i>Subtotal: Support</i>	0 / 48.044	- / 0.570	- / 2.910	- / 1.450	- / -	- / 1.450	- / 1.550	- / -	- / 14.800	- / -	- / -	0 / 69.324	
Installation													
<i>Modification Item 1 of 1:</i> Aircraft Modification Kits	112 / 171.265	18 / 36.536	14 / 37.430	18 / 44.953	- / -	18 / 44.953	18 / 32.096	- / -	- / -	- / -	- / -	180 / 322.280	
<i>Subtotal: Installation</i>	112 / 171.265	18 / 36.536	14 / 37.430	18 / 44.953	- / -	18 / 44.953	18 / 32.096	- / -	- / -	- / -	- / -	180 / 322.280	
Total													
Total Cost (Procurement + Support + Installation)	276.062	37.106	40.340	46.403	0.000	46.403	33.646	0.000	14.800	-	-	448.357	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T03800 / T-38	Modification Number / Title: 6088 / Pacer Classic III
---	---	---

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

Modification Item 1 of 1: Aircraft Modification Kits

Manufacturer Information

Manufacturer Name: CPI Aero	Manufacturer Location: Edgewood, NY
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 30

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	112 / 171.265	18 / 36.536	14 / 37.430	18 / 44.953	- / -	18 / 44.953	18 / 32.096	- / -	- / -	- / -	- / -	180 / 322.280
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	112 / 171.265	18 / 36.536	14 / 37.430	18 / 44.953	- / -	18 / 44.953	18 / 32.096	- / -	- / -	- / -	- / -	180 / 322.280

Installation Schedule

PYS	FY 2022	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	112	5	4	5	4	2	2	5	5	5	4	5	4	5	4	5	4	-	-	-	-	-	-	-	-	-	-	-	-	0	180
Out	89	5	5	5	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	5	3	-	-	-	-	-	-	-	-	0	180

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T03800 / T-38	Modification Number / Title: 6090 / T-38 Avionics

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	117.527	0.000	12.764	54.302	0.000	54.302	16.502	6.063	0.565	0.000	0.000	207.723
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	117.527	0.000	12.764	54.302	0.000	54.302	16.502	6.063	0.565	0.000	0.000	207.723
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	117.527	0.000	12.764	54.302	0.000	54.302	16.502	6.063	0.565	0.000	0.000	207.723

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

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

Description:

T-38 Avionics work consists of two major programs, the T-38C Terminal Avionics Replacement Program (TARP), and the T-38A/B Low-cost Avionics Modification Program (LAMP), described below.

TARP develops replacements for four T-38C avionics components facing obsolescence. Failure to fund this effort will result in fleet-wide T-38C non-serviceability starting in Apr 2026. TARP includes, but is not limited to:

1-2. Electronic Engine Display (EED) and Multi-Function Display (MFD) (T-38C Displays): Without a replacement, T-38C aircraft will be grounded once the repair contract for EED and MFD expires in Mar 2026.

3-4. Video Data Transfer Unit (VDTU) and Head-Up Display Camera (HUDC) (T-38C Recording Devices): Compact Flash Cards that record flight data are no longer procurable, with inventory depleted in FY24. Without a functioning VDTU, the T-38C will be unsuitable for training purposes, with no ability to record flight data. Without a replacement, the current HUDC will no longer function after the repair contract expires in Mar 2026. The HUDC is essential to the T-38C training mission, as a critical tool for student/instructor feedback.

5. LAMP addresses high failure rates in T-38A/B navigation system components, which are currently causing a safety risk to pilot spatial orientation. Flight restrictions associated with this risk are impacting F-22, U-2, and B-2 readiness. Planned component replacements include, but are not limited to, the Attitude Director Indicator and the Horizontal Situation Indicator. Failure to fund this effort will result in ongoing safety risk for the T-38A/B fleet, and increased impact to F-22, U-2, and B-2 readiness. LAMP will replace the current Attitude Director Indicator (ADI) and Horizontal Situation Indicator (HSI), which have low Mean Times Between Failure (MTBF). Ongoing LAMP activity may either refurbish or replace other navigation components, to include the Attitude Gyro Control Assembly, Rate Switching Gyro, Rate Gyro Transmitter, Servo-Amplifier, and Flight Director Computer.

All T-38 Avionics modifications' (T-38C EED, MFD, VDTU, and HUD Camera; plus T-38A/B ADI and HSI) method of implementation are organic/intermediate. The modifications are form-fit-function-interface (F3I), relatively non-invasive, and are projected to be near or under 25 hour installation. This makes them suitable for a field-level install by organic personnel. The T-38 program office provides organic engineering support to the T-38 fleet, and has suitable expertise to develop and issue tech data associated with these installs, negating any need for a Contractor Field Team or similar.

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

Milestone/Development Status

TARP and LAMP components are in varying stages of development, with procurement starting as soon as development is complete. EED and MFD long-lead procurement is planned to start in Late FY23, while VDTU and HUDC are planned for production start in FY24.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4					P-1 Line Item Number / Title: T03800 / T-38					Modification Number / Title: 6090 / T-38 Avionics		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: T-38				Modification Type: Reliability & Maintainability				Related RDT&E PEs: 0604233F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
0604233F	- / 7.691	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.691
Procurement												
Modification Item 1 of 4: Electronic Engine Display (EED)												
B Kits												
Recurring												
Electronic Engine Display (EED):EQUIPMENT Group B (Active)	- / -	- / -	173 / 5.106	709 / 35.064	- / -	709 / 35.064	61 / 2.793	- / -	- / -	- / -	- / -	943 / 42.963
<i>Subtotal: Recurring</i>	- / -	- / -	- / 5.106	- / 35.064	- / -	- / 35.064	- / 2.793	- / -	- / -	- / -	- / -	- / 42.963
<i>Subtotal: Electronic Engine Display (EED)</i>	- / -	- / -	- / 5.106	- / 35.064	- / -	- / 35.064	- / 2.793	- / -	- / -	- / -	- / -	- / 42.963
Modification Item 2 of 4: LAMP												
B Kits												
Recurring												
LAMP:EQUIPMENT Group B (Active)	56 / 6.514	- / -	16 / 2.208	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 8.722
<i>Subtotal: Recurring</i>	- / 6.514	- / -	- / 2.208	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.722
<i>Subtotal: LAMP</i>	- / 6.514	- / -	- / 2.208	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.722
Modification Item 3 of 4: Multi-Function Display (MFD)												
B Kits												
Recurring												
Multi-Function Display (MFD):EQUIPMENT Group B (Active)	- / -	- / -	175 / 5.106	389 / 17.742	- / -	389 / 17.742	61 / 2.793	- / -	- / -	- / -	- / -	625 / 25.641
<i>Subtotal: Recurring</i>	- / -	- / -	- / 5.106	- / 17.742	- / -	- / 17.742	- / 2.793	- / -	- / -	- / -	- / -	- / 25.641
<i>Subtotal: Multi-Function Display (MFD)</i>	- / -	- / -	- / 5.106	- / 17.742	- / -	- / 17.742	- / 2.793	- / -	- / -	- / -	- / -	- / 25.641
Modification Item 4 of 4: Video Data Transfer Unit/Hud Camera												
B Kits												
Recurring												
Video Data Transfer Unit/Hud Camera:EQUIPMENT Group B (Active)	- / -	- / -	- / -	- / -	- / -	- / -	176 / 10.066	88 / 5.376	- / -	- / -	- / -	264 / 15.442
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.066	- / 5.376	- / -	- / -	- / -	- / 15.442
<i>Subtotal: Video Data Transfer Unit/Hud Camera</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.066	- / 5.376	- / -	- / -	- / -	- / 15.442
<i>Subtotal: Procurement, All Modification Items</i>	- / 6.514	- / -	- / 12.420	- / 52.806	- / -	- / 52.806	- / 15.652	- / 5.376	- / -	- / -	- / -	- / 92.768

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4 **P-1 Line Item Number / Title:** T03800 / T-38 **Modification Number / Title:** 6090 / T-38 Avionics

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

Models of Systems Affected: T-38 **Modification Type:** Reliability & Maintainability **Related RDT&E PEs:** 0604233F

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Support (All Modification Items)												
A&AS	- / 0.251	- / -	- / 0.344	- / 1.446	- / -	- / 1.446	- / 0.800	- / 0.637	- / 0.565	- / -	- / -	- / 4.043
PSC - Other Gov't Costs	- / 0.019	- / -	- / -	- / 0.050	- / -	- / 0.050	- / 0.050	- / 0.050	- / -	- / -	- / -	- / 0.169
OTHER GOVT	- / 110.305	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 110.305
PSC - Contractor Services	- / 0.438	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.438
Subtotal: Support	- / 111.013	- / -	- / 0.344	- / 1.496	- / -	- / 1.496	- / 0.850	- / 0.687	- / 0.565	- / -	- / -	- / 114.955
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	117.527	0.000	12.764	54.302	0.000	54.302	16.502	6.063	0.565	0.000	0.000	207.723

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4			P-1 Line Item Number / Title: T03800 / T-38			Modification Number / Title: 6090 / T-38 Avionics	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 4: Electronic Engine Display (EED)							
Manufacturer Information							
Manufacturer Name: Boeing Company				Manufacturer Location: St. Louis, MO			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Sep 2023	Jan 2024	Jan 2025			
Delivery Dates		Sep 2024	Jan 2025	Jan 2026			
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 943		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4			P-1 Line Item Number / Title: T03800 / T-38			Modification Number / Title: 6090 / T-38 Avionics	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 2 of 4: LAMP							
Manufacturer Information							
Manufacturer Name: Boeing Company				Manufacturer Location: St. Louis, MO			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 2			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Feb 2023					
Delivery Dates		Apr 2023					
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 72		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4			P-1 Line Item Number / Title: T03800 / T-38		Modification Number / Title: 6090 / T-38 Avionics		
ID Code (A=Service Ready, B=Not Service Ready) : B				MDAP/MAIS Code:			
Modification Item 3 of 4: Multi-Function Display (MFD)							
Manufacturer Information							
Manufacturer Name: Boeing Company				Manufacturer Location: St. Louis, MO			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Sep 2023	Jan 2024	Jan 2025			
Delivery Dates		Sep 2024	Jan 2025	Jan 2026			
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 625		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4			P-1 Line Item Number / Title: T03800 / T-38		Modification Number / Title: 6090 / T-38 Avionics		
ID Code (A=Service Ready, B=Not Service Ready) : B				MDAP/MAIS Code:			
Modification Item 4 of 4: Video Data Transfer Unit/Hud Camera							
Manufacturer Information							
Manufacturer Name: Boeing				Manufacturer Location: St. Louis, MO			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates				Apr 2025	Nov 2025		
Delivery Dates				Apr 2026	Nov 2026		
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 264		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T03800 / T-38	Modification Number / Title: 6091 / Talon Repair, Inspection and Maintenance

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	5.365	7.733	17.973	24.124	0.000	24.124	33.095	44.776	71.735	56.407	100.196	361.404
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	5.365	7.733	17.973	24.124	0.000	24.124	33.095	44.776	71.735	56.407	100.196	361.404
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5.365	7.733	17.973	24.124	0.000	24.124	33.095	44.776	71.735	56.407	100.196	361.404

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

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

Description:

Talon Repair, Inspection, and Maintenance (TRIM) is a depot-level modification program which replaces or repairs critical structural items that are subject to time-based degradation. TRIM will be fielded to the complete T-38A/B fleet, and select T-38C aircraft. Of the T-38s to be modified, the T-38A/Bs lack the structural modifications made during the Propulsion Modernization Program (PMP) and the T-38Cs lack the structural modifications made during PCIII. Extended service requirements and continued utilization of these T-38A/B/C aircraft drive the need to correct material deficiencies and fatigue damage to key parts such as upper/lower center longerons, formers/bulkheads, and vertical stabilizer attach angles, and many other parts. These modifications will ensure fleet viability and airworthiness through the required T-38 retirement/divestiture dates. If uncorrected, the structural performance risk may result in aircraft groundings, flight restrictions, more frequent inspection intervals, and/or an unacceptable risk to personnel.

A portion of TRIM FY 2024 procurement funding may be used to expand facilities (non-permanent structure) at Randolph AFB, TX for additional aircraft hangar space, maintenance stands, and other depot equipment.

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

Milestone/Development Status

Production and deployment underway.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4				P-1 Line Item Number / Title: T03800 / T-38							Modification Number / Title: 6091 / Talon Repair, Inspection and Maintenance			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:							
Models of Systems Affected: T-38				Modification Type: Reliability & Maintainability				Related RDT&E PEs:						
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total		
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		
Procurement														
<i>Modification Item 1 of 1:</i> Install Kit														
A Kits														
Recurring														
Install Kit:INSTALL KITS Group A (Active)	33 / 5.209	11 / 4.328	45 / 5.342	- / -	- / -	- / -	36 / 4.769	34 / 4.167	23 / 5.500	- / -	- / -	182 / 29.315		
<i>Subtotal: Recurring</i>	- / 5.209	- / 4.328	- / 5.342	- / -	- / -	- / -	- / 4.769	- / 4.167	- / 5.500	- / -	- / -	- / 29.315		
<i>Subtotal: Install Kit</i>	- / 5.209	- / 4.328	- / 5.342	- / -	- / -	- / -	- / 4.769	- / 4.167	- / 5.500	- / -	- / -	- / 29.315		
<i>Subtotal: Procurement, All Modification Items</i>	- / 5.209	- / 4.328	- / 5.342	- / -	- / -	- / -	- / 4.769	- / 4.167	- / 5.500	- / -	- / -	- / 29.315		
Support (All Modification Items)														
GROUP A: TOTAL NONRECURRING	- / -	- / 0.445	- / 1.936	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.381		
SUPPORT-EQUIP	- / -	- / 1.003	- / 6.627	- / 2.164	- / -	- / 2.164	- / -	- / -	- / -	- / -	- / -	- / 9.794		
PSC - Other Gov't Costs	- / 0.156	- / 0.247	- / 0.350	- / 0.125	- / -	- / 0.125	- / 0.075	- / 0.075	- / 0.075	- / -	- / 0.100	- / 1.203		
PSC - Contractor Services	- / -	- / 0.288	- / 0.764	- / 0.847	- / -	- / 0.847	- / 0.847	- / 0.864	- / 1.310	- / -	- / 2.620	- / 7.540		
<i>Subtotal: Support</i>	- / 0.156	- / 1.983	- / 9.677	- / 3.136	- / -	- / 3.136	- / 0.922	- / 0.939	- / 1.385	- / -	- / 2.720	- / 20.918		
Installation														
<i>Modification Item 1 of 1:</i> Install Kit	- / -	1 / 1.422	2 / 2.954	14 / 20.988	- / -	14 / 20.988	21 / 27.404	28 / 39.670	37 / 64.850	34 / 56.407	45 / 97.476	182 / 311.171		
<i>Subtotal: Installation</i>	- / -	1 / 1.422	2 / 2.954	14 / 20.988	- / -	14 / 20.988	21 / 27.404	28 / 39.670	37 / 64.850	34 / 56.407	45 / 97.476	182 / 311.171		
Total														
Total Cost (Procurement + Support + Installation)	5.365	7.733	17.973	24.124	0.000	24.124	33.095	44.776	71.735	56.407	100.196	361.404		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4	P-1 Line Item Number / Title: T03800 / T-38	Modification Number / Title: 6091 / Talon Repair, Inspection and Maintenance

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

Modification Item 1 of 1: Install Kit

Manufacturer Information

Manufacturer Name: CPI Aerostructures, Inc.	Manufacturer Location: Edgewood, NY
Administrative Leadtime (in Months): 8	Production Leadtime (in Months): 24

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jun 2022	Jun 2023		Jun 2025	Jun 2026	Jun 2027	
Delivery Dates	Dec 2025	Jun 2025		Jun 2027	Jun 2028	Jun 2029	

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	1 / 1.422	2 / 2.954	14 / 20.988	- / -	14 / 20.988	16 / 21.879	- / -	- / -	- / -	- / -	33 / 47.243
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 16.390	- / -	- / -	- / -	11 / 16.390
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	5 / 5.525	17 / 23.280	23 / 39.950	- / -	- / -	45 / 68.755
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 24.900	22 / 36.499	- / -	36 / 61.399
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 19.908	22 / 40.205	34 / 60.113
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 57.271	23 / 57.271
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 1.422	2 / 2.954	14 / 20.988	- / -	14 / 20.988	21 / 27.404	28 / 39.670	37 / 64.850	34 / 56.407	45 / 97.476	182 / 311.171

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	1	-	-	-	2	-	1	-	5	8	5	5	6	5	6	6	8	8	8	8	11	10	8	8	9	9	45	182
Out	0	-	-	-	-	-	-	1	-	-	1	1	-	1	5	7	6	6	5	5	7	6	7	7	10	8	9	11	8	71	182

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: 11U200 / U-2 Mods
---	---

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0305202F, 0305206F	Other Related Program Elements: 0305202F, 0604257F
---	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	422.409	125.109	81.650	54.727	-	54.727	69.677	13.047	13.343	13.620	-	793.582
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	422.409	125.109	81.650	54.727	-	54.727	69.677	13.047	13.343	13.620	-	793.582
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	422.409	125.109	81.650	54.727	-	54.727	69.677	13.047	13.343	13.620	-	793.582

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

Initial Spares (<i>\$ in Millions</i>)	-	15.384	2.102	1.707	-	1.707	2.674	2.720	2.782	2.840	-	30.209
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The U-2S Dragon Lady platform is a high-demand/low-density aircraft equipped with modular sensor and data link systems providing flexibility and mission essential Intelligence, Surveillance, and Reconnaissance (ISR) to the Combatant Commands, Joint and Combined forces, and the Intelligence Community in peacetime and wartime. The program supports core missions such as Sensitive Reconnaissance Operations (outlined in CJCSI 3250.01) supporting the National Defense Strategy, in addition to other missions that include execution of CCMD OPLANs and CONPLANs, Humanitarian Assistance/Disaster Response (HADR), Counter Violent Extremist Organizations, and third-party treaty verification/monitoring via the OLIVE HARVEST mission.

In the FY24 budget, the Air Force will maintain operational capability of the U-2 platform. FY24 procurement funds are required to sustain NDAA directed capability and capacity, as well as safe and effective operations through the remainder of U-2's scheduled service. FY24 efforts largely continue existing contracted efforts, which address reliability, maintainability, supportability, Diminishing Manufacturing Sources and Material Shortages (DMSMS), flight test, safety issues, and integration of capability development activities in support of the broader ISR portfolio. Also, procurement efforts focus on integrating/expanding platform capabilities, enabling improved collection against emerging threats through the remainder of scheduled U-2 operations.

These efforts include, but are not limited to:

- Procurement of the Advanced Synthetic Aperture Radar System (ASARS) 2B/C mitigates DMSMS with the current U-2 SAR sensor and processor, is multi-mode capable (to include eventual moving target indicator modes), and implements an open architecture radar environment. Processor development accomplishes risk reduction in a common effort with other programs and the ASARS-2C system is transferable to the broader ISR enterprise.
- Procurement of necessary items to field Avionics Technical Refresh phase 2, which will resolve all remaining avionics DMSMS and safety of flight issues, will add an extensive mission suite, and enhanced pilot/sensor integration, enabling real-time collect and dissemination.
- DMSMS mitigation for IR Focal Plane Array on SYERS-2C, which will ensure high altitude multispectral EO/IR capability for the CCMDs through the remainder of scheduled U-2 service
- Required datalink infrastructure upgrades to support the improved capabilities mentioned above and quick reaction capabilities (QRCs) to support emerging requirements in a time-relevant manner

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
11U200 / U-2 Mods

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0305202F, 0305206F **Other Related Program Elements:** 0305202F, 0604257F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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-3a	4494 / U-2 Mod (Other)		B		- / 374.272	- / 55.954	- / 36.224	- / 29.487	- / 0.000	- / 29.487
P-3a	4496 / ASARS-2B Procurement for U-2 (Other)		B		- / 48.137	- / 69.155	- / 45.426	- / 25.240	- / 0.000	- / 25.240
P-40	Total Gross/Weapon System Cost				- / 422.409	- / 125.109	- / 81.650	- / 54.727	- / -	- / 54.727

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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-3a	4494 / U-2 Mod (Other)		B		- / 0.000	- / -	- / -	- / -	- / -	- / 495.937
P-3a	4496 / ASARS-2B Procurement for U-2 (Other)		B		- / 69.677	- / 13.047	- / 13.343	- / 13.620	- / -	- / 297.645
P-40	Total Gross/Weapon System Cost				- / 69.677	- / 13.047	- / 13.343	- / 13.620	- / -	- / 793.582

*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:
FY24 budget reflects prioritization of currently contracted efforts to maintain safe and effective operations through the remainder of scheduled service. Procurement funding continues to address prudent acquisition efforts to address safety-of-flight, DMSMS, and sustainability issues associated with the platform in both airframe and sensors.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: 11U200 / U-2 Mods	Modification Number / Title: 4494 / U-2 Mod

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	374.272	55.954	36.224	29.487	0.000	29.487	0.000	-	-	-	-	495.937
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	374.272	55.954	36.224	29.487	0.000	29.487	0.000	-	-	-	-	495.937
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	374.272	55.954	36.224	29.487	0.000	29.487	0.000	-	-	-	-	495.937

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

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

Description:

The U-2 Program will continue to address reliability, maintainability, and mission capability, to include integration of payloads. Aircraft and sensor sustainment or enhancements include activities such as, but not limited to the following current programs:

- Advanced Synthetic Aperture Radar System (ASARS) procurement, sustainment, and enhancements to support collection capability and capacity requirements to meet global ISR requirements.
- Modification programs in support safety of flight, DMSMS concerns, support of operational capability and capacity requirements to include: airframe sustainment, avionics, mission planning, navigation system and stellar tracker initiatives, advanced and agile systems/payloads, Open Mission Systems and Unmanned Aerospace Systems Command and Control Standard Initiative (OMS/UCI) standards compliance, payload sensors, and associated ground support equipment.
- Signals Intelligence (SIGINT) system sustainment, modernization, enhancement, test and integration to meet new/emerging operational requirements.
- Multi-Spectral Sensor sustainment and enhancements to optics and focal planes in support of operational requirements.
- Navigation software/infrastructure, and avionics refresh and upgrades to address DMSMS issues while increasing capability in the integrated intelligence environment. Includes procurement for non-GPS precision, navigation, and timing (PNT) hardware and software.

Milestone/Development Status

Integration and flight test of ASARS-2B/C on the U-2 is dependent upon the Avionics Technical Refresh (ATR) effort, which establishes the OMS backbone necessary to employ IP-based sensors and to comply with the open architecture development methodology that has been mandated by Congress. Both the ASARS and ATR efforts are on track to complete DT/OT in the first half of 2024 and to field 2x ASARS-2C sensors in July 2024.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: 11U200 / U-2 Mods				Modification Number / Title: 4494 / U-2 Mod				
ID Code (A=Service Ready, B=Not Service Ready) : B						MDAP/MAIS Code:						
Models of Systems Affected: U-2				Modification Type: Other				Related RDT&E PEs: 0305202F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
0305202F	- / 266.781	- / 35.800	- / 20.170	- / 20.604	- / -	- / 20.604	- / 24.089	- / -	- / -	- / -	- / -	- / 367.444
Procurement												
Modification Item 1 of 1: U-2 Update Block 20-1												
A Kits												
Recurring												
U-2 Update Block 20-1:INSTALL KITS Group A (Active)	6 / 202.310	1 / 41.908	1 / 30.024	1 / 5.487	- / -	1 / 5.487	- / -	- / -	- / -	- / -	- / -	9 / 279.729
<i>Subtotal: Recurring</i>	- / 202.310	- / 41.908	- / 30.024	- / 5.487	- / -	- / 5.487	- / -	- / -	- / -	- / -	- / -	- / 279.729
<i>Subtotal: U-2 Update Block 20-1</i>	- / 202.310	- / 41.908	- / 30.024	- / 5.487	- / -	- / 5.487	- / -	- / -	- / -	- / -	- / -	- / 279.729
<i>Subtotal: Procurement, All Modification Items</i>	- / 202.310	- / 41.908	- / 30.024	- / 5.487	- / -	- / 5.487	- / -	- / -	- / -	- / -	- / -	- / 279.729
Installation												
Modification Item 1 of 1: U-2 Update Block 20-1	6 / 171.962	1 / 14.046	1 / 6.200	1 / 24.000	- / -	1 / 24.000	- / -	- / -	- / -	- / -	- / -	9 / 216.208
<i>Subtotal: Installation</i>	6 / 171.962	1 / 14.046	1 / 6.200	1 / 24.000	- / -	1 / 24.000	- / -	- / -	- / -	- / -	- / -	9 / 216.208
Total												
Total Cost (Procurement + Support + Installation)	374.272	55.954	36.224	29.487	0.000	29.487	0.000	-	-	-	-	495.937

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: 11U200 / U-2 Mods	Modification Number / Title: 4494 / U-2 Mod
---	---	---

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

Modification Item 1 of 1: U-2 Update Block 20-1

Manufacturer Information

Manufacturer Name: Details Classified Manufacturer Location: Details Classified

Administrative Leadtime (in Months): 3 Production Leadtime (in Months): 6

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022	Jan 2023	Jan 2024	Jan 2025			
Delivery Dates	Jul 2022	Jul 2023	Jul 2024	Jul 2025			

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	6 / 171.962	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 171.962
FY 2022	- / -	1 / 14.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 14.046
FY 2023	- / -	- / -	1 / 6.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 6.200
FY 2024	- / -	- / -	- / -	1 / 24.000	- / -	1 / 24.000	- / -	- / -	- / -	- / -	- / -	1 / 24.000
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 171.962	1 / 14.046	1 / 6.200	1 / 24.000	- / -	1 / 24.000	- / -	- / -	- / -	- / -	- / -	9 / 216.208

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	6	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	9
Out	6	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	9

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: 11U200 / U-2 Mods	Modification Number / Title: 4496 / ASARS-2B Procurement for U-2

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	48.137	69.155	45.426	25.240	0.000	25.240	69.677	13.047	13.343	13.620	-	297.645
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	48.137	69.155	45.426	25.240	0.000	25.240	69.677	13.047	13.343	13.620	-	297.645
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	48.137	69.155	45.426	25.240	0.000	25.240	69.677	13.047	13.343	13.620	-	297.645

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

Initial Spares (\$ in Millions)	42.432	15.384	2.102	1.707	-	1.707	2.674	2.720	2.782	2.840	-	72.641
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The ASARS-2B program focuses on upgrades to the "front end of the radar system, where "front end is defined to include the antenna, power unit and receiver/exciter. The ASARS-2A's passive Electronically Scanned Array (ESA) and Transmitter are replaced with a state-of-the-art Active Electronically Scanned Array (AESA). Accompanying the replacement of the ESA with an AESA, associated "front end components including the Power Conditioning Unit (PCU) are also to be updated to deal with DMSMS issues. The Receiver/Exciter Controller (REC) is replaced with a state-of-the-art Receiver/Exciter (REX). System software is also updated, primarily to interface with the new front-end, but also to incorporate new modes, such as: High Precision Track Moving Target Indicator (HP-TMTI), Maritime Search (MS), Maritime Track Acquisition (MTA), and Maritime Inverse Synthetic Aperture Radar (ISAR) modes. The upgrades also introduce advanced technologies into the AESA and REX to support future growth, and design updates for the PCU. The upgrades include the ability to utilize common open architecture, increased range/bandwidth/interoperability, a modified receiver, new maritime modes, new software algorithms, and standardized data output formats. This upgrade also includes associated Ground Support Equipment. The ASARS-2B program is dependent on the ASARS-2C Air-cooled Scalable Commercial Off the Shelf (COTS) Processor (ASCP).

Validated requirements consist of the "Improved Synthetic Aperture Radar for the U-2" Operational Requirement Document (Apr 1996) and approved AF Form 1067s. It also aligns with the USECAF/VCSAF "Interim Guidance on High Altitude ISR Transition Plan", dated 19 Oct 2017. Current efforts are collaborative in funding and scheduling with PE 0305206F & PE 0604257F. ASARS-2B (front-end) effort is NOT a new start, and has been previously planned for in PE 35202F.

Milestone/Development Status

The ASARS-2B program builds upon and operationalizes the ASARS-2B Technology Demonstration effort, funded under Advanced Technology and Sensors PE 0604257F, which concluded in early FY19 with flight demonstrations. ASARS-2B awarded the Unfinitized Contract Action (UCA) in FY19 with definitization occurring in 2021, to complete non-recurring engineering and build/integration of two systems for flight test activities expected late FY23. A production contract was awarded by Q4 FY22 to produce ASARS-2B operational systems and initial spares with an Initial Operational Capability expected in FY24. Efforts will be made to align procurement of ASARS-2B with ASARS-2C ("back-end"/processor) to the max extent possible IAW CSAF/SECAF rapid innovation initiatives.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: 11U200 / U-2 Mods					Modification Number / Title: 4496 / ASARS-2B Procurement for U-2			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: U-2				Modification Type: Other				Related RDT&E PEs: 0305202F, 0604257F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: ASARS-2B</i>													
A Kits													
Recurring													
ASARS-2B:INSTALL KITS Group A (Active)	1 / 48.137	2 / 69.155	3 / 45.426	- / 21.503	- / -	- / 21.503	- / 64.480	- / 2.485	- / 13.343	- / 13.620	- / -	6 / 278.149	
<i>Subtotal: Recurring</i>	- / 48.137	- / 69.155	- / 45.426	- / 21.503	- / -	- / 21.503	- / 64.480	- / 2.485	- / 13.343	- / 13.620	- / -	- / 278.149	
<i>Subtotal: ASARS-2B</i>	- / 48.137	- / 69.155	- / 45.426	- / 21.503	- / -	- / 21.503	- / 64.480	- / 2.485	- / 13.343	- / 13.620	- / -	- / 278.149	
<i>Subtotal: Procurement, All Modification Items</i>	- / 48.137	- / 69.155	- / 45.426	- / 21.503	- / -	- / 21.503	- / 64.480	- / 2.485	- / 13.343	- / 13.620	- / -	- / 278.149	
Support (All Modification Items)													
PSC - Other Gov't Costs	- / -	- / -	- / -	- / 0.870	- / -	- / 0.870	- / 0.916	- / 0.936	- / -	- / -	- / -	- / 2.722	
ICS-Labor	- / -	- / -	- / -	- / 2.867	- / -	- / 2.867	- / 4.281	- / 9.626	- / -	- / -	- / -	- / 16.774	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 3.737	- / -	- / 3.737	- / 5.197	- / 10.562	- / -	- / -	- / -	- / 19.496	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	48.137	69.155	45.426	25.240	0.000	25.240	69.677	13.047	13.343	13.620	-	297.645	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: 11U200 / U-2 Mods			Modification Number / Title: 4496 / ASARS-2B Procurement for U-2	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 1: ASARS-2B							
Manufacturer Information							
Manufacturer Name: Raytheon Intelligence and Space				Manufacturer Location: El Segundo, CA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 36			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jun 2022	Jun 2023					
Delivery Dates	Jun 2025	Jun 2026					
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 6		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C01000 / KC-10A (ATCA)
--	--

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0401219F	Other Related Program Elements: 0401219F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	64.306	1.902	1.722	0.000	-	0.000	0.000	0.000	0.000	0.000	-	67.930
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	64.306	1.902	1.722	0.000	-	0.000	0.000	0.000	0.000	0.000	-	67.930
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	64.306	1.902	1.722	0.000	-	0.000	0.000	0.000	0.000	0.000	-	67.930

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

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

Description:

This line item funds modifications for the fleet of 20 KC-10 aircraft at the end of FY23. The primary modifications are Service Bulletins that address obsolescence issues, provide worldwide civil airspace accessibility, and incorporate aging aircraft and FAA certification requirements. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.

Despite scheduled to retire by the end of FY24, the KC-10 continues to play a vital role in US Air Force aerial refueling and strategic airlift operations by providing dual-role capability. In FY22, KC-10 aircraft offloaded 19,270,494 gallons of fuel to 6,278 aircraft in support of US global operations, and continues to maintain a permanent deployed presence in the US Central Command Area of Responsibility. The aircraft provides air refueling by using both the boom and the drogue methods and can carry up to 56 standard 463-L pallets. Thus, maintaining adequate mod funding through retirement is essential.

Funding for this exhibit is contained in PE 0401219F.

Justification:

No FY 2024 funding requested.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C01200 / C-12
--	---

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F
---	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	20.678	0.000	0.000	0.446	-	0.446	0.000	0.000	0.000	0.000	-	21.124
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	20.678	0.000	0.000	0.446	-	0.446	0.000	0.000	0.000	0.000	-	21.124
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	20.678	0.000	0.000	0.446	-	0.446	0.000	0.000	0.000	0.000	-	21.124

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

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

Description:

This line item supports twenty-nine (29) C-12 C/D/F/J aircraft, commercial equivalent to the Beechcraft Super King Air. The C-12 is a twin turboprop, support-airlift aircraft used to transport cargo and passengers over medium distances. The design service life is 30,000 hours with 17,200 remaining on the C-model (16), 12,200 hours remaining on the D-model (6), 15,000 on the F-model (3), 11,750 on the J-model (4). The soonest service life estimation is 2052.

Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability. Support funding for emerging modification requirements to support Program Management Administration, Advisory & Assistance Services (A&AS), system integration lab, trainers, equipment and other government costs.

Funding may be used to address Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues.

Funding for this exhibit contained in PE 0401314F.

Justification:

This program, P-3A Mod 99999S, SERVICE BULLETINS, is a new start.
 This program, P-3A Mod 99999X, Low Cost Modifications, is a new start.

FY24: Funding is required for low cost modifications and service bulletins.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C02100 / C-21
--	---

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F
---	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	62.815	0.000	2.024	0.000	-	0.000	0.000	0.000	0.000	0.000	-	64.839
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	62.815	0.000	2.024	0.000	-	0.000	0.000	0.000	0.000	0.000	-	64.839
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	62.815	0.000	2.024	0.000	-	0.000	0.000	0.000	0.000	0.000	-	64.839

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

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

Description:

This line item supports nineteen (19) C-21A aircraft, commercial equivalent to the Learjet 35. The C-21A aircraft is a twin-turboprop engine aircraft used for cargo and passenger airlift over medium ranges. The design service life is 50 years with an average of 10 years remaining; undergoing service life extension to add another 40 years. Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability. This funding may include emerging modification requirements to support Program Support Costs (PSC), Advisory and Assistant Services (A&AS), system integration lab, trainers, equipment and other government costs.

Funding may be used to address Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues.

Funding for this exhibit contained in PE 0401314F.

Justification:

No FY24 funding requested.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C02500 / VC-25A Mod
---	---

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	334.467	0.096	2.146	29.707	-	29.707	12.562	9.377	0.000	0.000	-	388.355
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	334.467	0.096	2.146	29.707	-	29.707	12.562	9.377	0.000	0.000	-	388.355
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	334.467	0.096	2.146	29.707	-	29.707	12.562	9.377	0.000	0.000	-	388.355

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

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

Description:

This line item funds aircraft modernization efforts for two (2) VC-25A presidential support aircraft, a commercial derivative of the commercial Boeing 747-200. The aircraft are commonly referred to as "Air Force One." The aircraft were purchased in FY87, modified by Boeing to meet presidential requirements, and delivered in FY91. These on-going modifications are to extend the service life until the VC-25B aircraft are fielded.

For purposes of the application of section 2244a of title 10, United States Code, the retirement date of the VC-25A is deemed to be not later than December 31, 2025. Funding for the VC-25A is substantially reduced in FY21 and beyond to comply with 10 U.S.C 2244a. Pursuant to the provisions of that law, SecAF determined the following capabilities modifications are in the national security interest of the United States:

Low Latency Worldwide Data Connections, Aggregated Throughput Bandwidth, Non-Space/Global Position System (GPS) Based Dependent Wideband Data Service, Multi-Role Tactical Common Data Link (MR-TCDL), and Diminishing Manufacturing Sources and Material Shortages (DMSMS).

Service bulletins and Low Cost Modifications are necessary for continuing Federal Aviation Administration (FAA) airworthiness certification while improving flight safety, reliability, and maintainability.

Funding may be used to address Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues.

Funding for this exhibit contained in PE 0401314F.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C02500 / VC-25A Mod

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	9714 / WIDEBAND SATCOM (Capability Improvement)				- / 0.998	- / -	- / -	- / -	- / -	- / -
P-40a***	99999S / SERVICE BULLETINS (Capability Improvement)				- / 4.177	- / 0.096	- / 0.500	- / 0.749	- / -	- / 0.749
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 2.499	- / -	- / 1.194	- / 0.749	- / -	- / 0.749
P-3a	9715 / VC-25 Block Upgrade (Capability Improvement)		B		- / 326.793	- / 0.000	- / 0.452	- / 28.209	- / 0.000	- / 28.209
P-40	Total Gross/Weapon System Cost				- / 334.467	- / 0.096	- / 2.146	- / 29.707	- / -	- / 29.707

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	9714 / WIDEBAND SATCOM (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 0.998
P-40a***	99999S / SERVICE BULLETINS (Capability Improvement)				- / 0.500	- / -	- / -	- / -	- / -	- / 6.022
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 0.572	- / -	- / -	- / -	- / -	- / 5.014
P-3a	9715 / VC-25 Block Upgrade (Capability Improvement)		B		- / 11.490	- / 9.377	- / 0.000	- / 0.000	- / -	- / 376.321
P-40	Total Gross/Weapon System Cost				- / 12.562	- / 9.377	- / 0.000	- / 0.000	- / -	- / 388.355

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

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

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

Justification:
FY24: Funding is required for low cost mods, service bulletins, and VC-25A Tail 28000 Block Upgrade efforts - Low Latency Worldwide Data Connections, Aggregated Throughput Bandwidth, Multi-Role Tactical Common Data Link (MR-TCDL).

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C02500 / VC-25A Mod	Modification Number / Title: 9715 / VC-25 Block Upgrade

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	326.793	0.000	0.452	28.209	0.000	28.209	11.490	9.377	0.000	0.000	-	376.321
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	326.793	0.000	0.452	28.209	0.000	28.209	11.490	9.377	0.000	0.000	-	376.321
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	326.793	0.000	0.452	28.209	0.000	28.209	11.490	9.377	0.000	0.000	-	376.321

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

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

Description:

This modification completes technical data integration and installation of the Multi-Role Tactical Common Data Link (MR-TCDL) on one (1) Air Force VC-25A (Tail 28000) and includes new requirements: low latency worldwide data (Low Earth Orbital Satellite Communications) and aggregated throughput bandwidth. Future Air Force VC-25A (Tail 29000) modification effort will only include low latency worldwide data and aggregated throughput bandwidth having previously accomplished MR-TCDL. These modifications will be aligned with aircraft heavy maintenance depot. These items satisfy presidential mission requirements requested through the White House Military Office via AF 1067 (22-035, 22-036, and 22-039).

Low latency worldwide data is part of a redundant global satellite connectivity to obtain satellite communications using low earth orbital, mid earth orbital, and geosynchronous constellations. This effort will focus on low earth orbital solutions to minimize latency experienced during global video/teleconference.

Aggregate throughput will increase the upload and download capacity of global wideband satellite communications through redundant pathways of low earth orbital, mid earth orbital, and geosynchronous satellite communications. It will also increase the capacity of onboard infrastructure to support this higher bandwidth: wiring, switching, and routing. This modification has synergy with the low earth orbital solution within low latency worldwide data.

MR-TCDL is a three (3) antenna equipment package which allows access to, and seamlessly transition between, airborne platforms and Phoenix Air-Ground Communications Network (PAGCN) Ground Entry Points (GEP).

This funding may include emerging modification requirements to support PMA, A&AS, equipment, and other government cost.

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

Milestone/Development Status

Commercial-off-the-Shelf item with non-recurring engineering for integration.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: C02500 / VC-25A Mod					Modification Number / Title: 9715 / VC-25 Block Upgrade			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: VC-25A				Modification Type: Capability Improvement				Related RDT&E PEs: 0401314F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Block Upgrade</i>													
A Kits													
Recurring													
Block Upgrade:INSTALL KITS Group A (Active)	5 / 120.258	- / -	- / -	1 / 8.100	- / -	1 / 8.100	- / -	1 / 2.500	- / -	- / -	- / -	7 / 130.858	
<i>Subtotal: Recurring</i>	- / 120.258	- / -	- / -	- / 8.100	- / -	- / 8.100	- / -	- / 2.500	- / -	- / -	- / -	- / 130.858	
B Kits													
Recurring													
Block Upgrade:EQUIPMENT Group B (Active)	- / -	- / -	- / -	1 / 5.650	- / -	1 / 5.650	- / -	1 / 1.000	- / -	- / -	- / -	2 / 6.650	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 5.650	- / -	- / 5.650	- / -	- / 1.000	- / -	- / -	- / -	- / 6.650	
<i>Subtotal: Block Upgrade</i>	- / 120.258	- / -	- / -	- / 13.750	- / -	- / 13.750	- / -	- / 3.500	- / -	- / -	- / -	- / 137.508	
<i>Subtotal: Procurement, All Modification Items</i>	- / 120.258	- / -	- / -	- / 13.750	- / -	- / 13.750	- / -	- / 3.500	- / -	- / -	- / -	- / 137.508	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / 115.786	- / -	- / -	- / 13.400	- / -	- / 13.400	- / -	- / 1.000	- / -	- / -	- / -	- / 130.186	
GROUP B: TOTAL NONRECURRING	- / 10.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.000	
OTHER GOVT	- / 24.162	- / -	- / 0.452	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.614	
PSC - Other Gov't Costs	- / 17.613	- / -	- / -	- / 0.159	- / -	- / 0.159	- / 0.025	- / 0.025	- / -	- / -	- / -	- / 17.822	
PSC - Contractor Services	- / -	- / -	- / -	- / 0.900	- / -	- / 0.900	- / 0.345	- / 0.284	- / -	- / -	- / -	- / 1.529	
<i>Subtotal: Support</i>	- / 167.561	- / -	- / 0.452	- / 14.459	- / -	- / 14.459	- / 0.370	- / 1.309	- / -	- / -	- / -	- / 184.151	
Installation													
<i>Modification Item 1 of 1: Block Upgrade</i>	5 / 38.974	- / -	- / -	- / -	- / -	- / -	1 / 11.120	1 / 4.568	- / -	- / -	- / -	7 / 54.662	
<i>Subtotal: Installation</i>	5 / 38.974	- / -	- / -	- / -	- / -	- / -	1 / 11.120	1 / 4.568	- / -	- / -	- / -	7 / 54.662	
Total													
Total Cost (Procurement + Support + Installation)	326.793	0.000	0.452	28.209	0.000	28.209	11.490	9.377	0.000	0.000	-	376.321	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 **P-1 Line Item Number / Title:** C02500 / VC-25A Mod **Modification Number / Title:** 9715 / VC-25 Block Upgrade

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

Modification Item 1 of 1: Block Upgrade

Manufacturer Information

Manufacturer Name: Boeing Manufacturer Location: San Antonio, TX

Administrative Leadtime (in Months): 0 Production Leadtime (in Months): 11

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Oct 2023		Oct 2025		
Delivery Dates			Sep 2024		Sep 2026		

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	5 / 38.974	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 38.974
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	1 / 11.120	- / -	- / -	- / -	- / -	1 / 11.120
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.568	- / -	- / -	- / -	1 / 4.568
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	5 / 38.974	- / -	- / -	- / -	- / -	- / -	1 / 11.120	1 / 4.568	- / -	- / -	- / -	7 / 54.662

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	5	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	0	7
Out	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	0	7

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C04000 / C-40
---	---

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F, 0504324F
---	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	167.388	10.262	37.197	8.921	-	8.921	7.101	0.000	0.000	0.000	-	230.869
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	167.388	10.262	37.197	8.921	-	8.921	7.101	0.000	0.000	0.000	-	230.869
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	167.388	10.262	37.197	8.921	-	8.921	7.101	0.000	0.000	0.000	-	230.869

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

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

Description:

This line item funds all modifications for four (4) C-40B and seven (7) C-40C aircraft: commercial-derivative Boeing 737 business jets. The C-40B/C is a twin-engine, turbo fan aircraft used to airlift DoD officials and United States government personnel worldwide. The design service life is 35,000 flying hours with an average of 23,100 hours remaining.

Crypto Modernization will replace the obsolescing Ultra High Frequency (UHF) Military Satellite Communication (SATCOM) System with a system that can connect to the Mobile User Objective System (MUOS) satellite constellation.

The SAT 906 replacement program replaces an obsolescing Air Traffic Management System to ensure aircraft can fly in preferred airspace to save time and fuel.

Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration (FAA) certification while improving flight safety, reliability, and maintainability.

This funding may include emerging modification requirements to support Program Support Costs (PCS), Advisory & Assistance Services (A&AS), systems integration lab, trainers, equipment, other government costs, and Senior Leader Communications System modernization efforts.

Funding may be used to address Diminishing Manufacturing Sources and Material Shortages (DMSMS) 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.

Funding for this exhibit contained in PE 0401314F.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.348	19.314	8.921	-	8.921	7.101	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C04000 / C-40
--	---

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F, 0504324F
--	--	---

Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	9.914	17.883	-	-	-	0.000	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.262	37.197	8.921	-	8.921	7.101	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date: March 2023**

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C04000 / C-40

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F, 0504324F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	1110 / Nitrogen Generation System (Other)				- / 6.013	- / -	- / -	- / -	- / -	- / -
P-40a***	1118 / WIDEBAND SATCOM (Capability Improvement)				- / 131.474	- / 10.000	- / 10.000	- / -	- / -	- / -
P-40a***	1119 / CNS/ATM Compliance (Capability Improvement)				- / 21.710	- / -	- / -	- / -	- / -	- / -
P-40a***	1120 / Crew Rest Seats (Capability Improvement)				- / 7.306	- / -	- / -	- / -	- / -	- / -
P-40a***	1122 / SAT 906 (Capability Improvement)				- / -	- / -	- / 25.000	- / 1.526	- / -	- / 1.526
P-40a***	99999S / SERVICE BULLETINS (Capability Improvement)				- / 0.337	- / 0.162	- / 1.197	- / 0.005	- / -	- / 0.005
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 0.548	- / 0.100	- / 1.000	- / 0.440	- / -	- / 0.440
P-3a	1121 / Crypto Mod 1 (Capability Improvement)		B		- / -	- / -	- / -	- / 6.950	- / 0.000	- / 6.950
P-40	Total Gross/Weapon System Cost				- / 167.388	- / 10.262	- / 37.197	- / 8.921	- / -	- / 8.921

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	1110 / Nitrogen Generation System (Other)				- / -	- / -	- / -	- / -	- / -	- / 6.013
P-40a***	1118 / WIDEBAND SATCOM (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 151.474
P-40a***	1119 / CNS/ATM Compliance (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 21.710
P-40a***	1120 / Crew Rest Seats (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 7.306
P-40a***	1122 / SAT 906 (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 26.526
P-40a***	99999S / SERVICE BULLETINS (Capability Improvement)				- / 0.005	- / -	- / -	- / -	- / -	- / 1.706
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 0.046	- / -	- / -	- / -	- / -	- / 2.134
P-3a	1121 / Crypto Mod 1 (Capability Improvement)		B		- / 7.050	- / 0.000	- / 0.000	- / 0.000	- / -	- / 14.000
P-40	Total Gross/Weapon System Cost				- / 7.101	- / 0.000	- / 0.000	- / 0.000	- / -	- / 230.869

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

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

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

Justification:
This program, P-3A Mod 1121, Crypto Mod 1, is a new start.

FY24: Funding is required for low cost mods, service bulletins, Crypto mod for four (4) C-40B aircraft, and SAT 906 Replacement mod (program support costs and non-reoccurring engineering for integration) for C-40 aircraft.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C04000 / C-40	Modification Number / Title: 1121 / Crypto Mod 1

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	6.950	0.000	6.950	7.050	0.000	0.000	0.000	-	14.000
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	-	6.950	0.000	6.950	7.050	0.000	0.000	0.000	-	14.000
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	6.950	0.000	6.950	7.050	0.000	0.000	0.000	-	14.000

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

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

Description:

This program, P-3A Mod 1121, Crypto Mod 1, is a new start.

Crypto Modernization replaces an obsolescing Ultra High Frequency (UHF) Military Satellite Communication (SATCOM) System utilizing an ARC-210 Gen VI enabling the aircraft to connect to the Mobile User Objective System (MUOS) satellite constellation.

National Security Agency and DoD Chief Information Officer directed policy mandating cryptography modernization efforts. The UHF Military Satellite Communication (SATCOM) systems require upgrade and/or replacement due to impending end-of-life of the UHF Follow On (UFO) satellite constellation. The expected result should provide narrowband (NB) internet protocol based (IP), secure, global, beyond line-of-sight (BLOS) satellite voice (recognition quality) and data communication for National Senior Leader connectivity utilizing the MUOS satellite constellation and waveform.

FY24 efforts will include four (4) kit purchases and Non-Recurring Installation Engineering required for four (4) installations in FY25 for C-40B aircraft.

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

Milestone/Development Status

Commercial-off-the-shelf item with non-recurring engineering for integration.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.950	-	6.950	7.050	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.950	0.000	6.950	7.050	0.000	0.000	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: C04000 / C-40					Modification Number / Title: 1121 / Crypto Mod 1		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: C-40B				Modification Type: Capability Improvement				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1: Crypto Mod 1</i>												
A Kits												
Recurring												
Crypto Mod 1:INSTALL KITS Group A (Active)												
	- / -	- / -	- / -	4 / 3.600	- / -	4 / 3.600	- / -	- / -	- / -	- / -	- / -	4 / 3.600
<i>Subtotal: Recurring</i>												
	- / -	- / -	- / -	- / 3.600	- / -	- / 3.600	- / -	- / -	- / -	- / -	- / -	- / 3.600
B Kits												
Recurring												
Crypto Mod 1:EQUIPMENT Group B (Active)												
	- / -	- / -	- / -	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / 2.000
<i>Subtotal: Recurring</i>												
	- / -	- / -	- / -	- / 5.600	- / -	- / 5.600	- / -	- / -	- / -	- / -	- / -	- / 5.600
<i>Subtotal: Procurement, All Modification Items</i>												
	- / -	- / -	- / -	- / 5.600	- / -	- / 5.600	- / -	- / -	- / -	- / -	- / -	- / 5.600
Support (All Modification Items)												
GROUP A: TOTAL NONRECURRING												
	- / -	- / -	- / -	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 1.000
PSC - Contractor Services												
	- / -	- / -	- / -	- / 0.350	- / -	- / 0.350	- / 0.050	- / -	- / -	- / -	- / -	- / 0.400
<i>Subtotal: Support</i>												
	- / -	- / -	- / -	- / 1.350	- / -	- / 1.350	- / 0.050	- / -	- / -	- / -	- / -	- / 1.400
Installation												
<i>Modification Item 1 of 1: Crypto Mod 1</i>												
	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.000	- / -	- / -	- / -	- / -	4 / 7.000
<i>Subtotal: Installation</i>												
	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.000	- / -	- / -	- / -	- / -	4 / 7.000
Total												
Total Cost (Procurement + Support + Installation)												
	-	-	-	6.950	0.000	6.950	7.050	0.000	0.000	0.000	-	14.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 **P-1 Line Item Number / Title:** C04000 / C-40 **Modification Number / Title:** 1121 / Crypto Mod 1

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

Modification Item 1 of 1: Crypto Mod 1

Manufacturer Information

Manufacturer Name: L3 Harris Manufacturer Location: Greenville, TX

Administrative Leadtime (in Months): 0 Production Leadtime (in Months): 18

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Oct 2023				
Delivery Dates			Apr 2025				

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.000	- / -	- / -	- / -	- / -	4 / 7.000
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.000	- / -	- / -	- / -	- / -	4 / 7.000

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4							
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	4	
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	4

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C13000 / C-130
---	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207224F, 0401115F, 0401897F, 0404011F	Other Related Program Elements: 0207224F, 0401115F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,106.766	272.251	224.702	71.177	-	71.177	144.290	167.908	254.852	183.383	48.742	3,474.071
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,106.766	272.251	224.702	71.177	-	71.177	144.290	167.908	254.852	183.383	48.742	3,474.071
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,106.766	272.251	224.702	71.177	-	71.177	144.290	167.908	254.852	183.383	48.742	3,474.071

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

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

Description:

This line item funds modifications to the C-130H and Special Mission C-130 aircraft. The four-engine C-130H provides theater airlift and carries either 92 troops, 64 paratroopers, 74 litter patients, or six (6) standard 463-L pallets.

Funding provides weapon system modifications and upgrades to meet USAF mission requirements for the LC/C-130H fleets.

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

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

Funding for this exhibit is contained in PEs 0401115F, 0401897F, and 0404011F.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	170.054	102.802	26.675	-	26.675	67.625	81.482	217.663
AFNG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	102.197	121.900	28.868	-	28.868	53.065	62.909	26.485
AFR	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	15.634	-	15.634	23.600	23.517	10.704
Total:	Quantity	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: C13000 / C-130
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207224F, 0401115F, 0401897F, 0404011F	Other Related Program Elements: 0207224F, 0401115F

Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	272.251	224.702	71.177	-	71.177	144.290	167.908	254.852	183.383

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date: March 2023**

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C13000 / C-130

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0207224F, 0401115F, 0401897F, 0404011F **Other Related Program Elements:** 0207224F, 0401115F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	3773 / C-130 8-Bladed Propeller Upgrade (Capability Improvement)				- / 431.004	- / 151.000	- / 60.700	- / -	- / -	- / -
P-40a***	8221 / C-130 ALR-69A Radar Warning Receiver (RWR) (Capability Improvement)				- / 36.000	- / -	- / -	- / -	- / -	- / -
P-40a***	8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) (Service Life Extension)				- / 688.007	- / -	- / -	- / -	- / -	- / -
P-40a***	9139 / MOD V IFF (Capability Improvement)				- / 42.100	- / -	- / -	- / -	- / -	- / -
P-40a***	9141 / C-130 CRASHWORTHY LOADMASTER SEAT (No text provided.)				- / 1.853	- / -	- / -	- / -	- / -	- / -
P-40a***	9149 / C-130 Aux Hyd Pump (Capability Improvement)				- / 16.599	- / -	- / -	- / -	- / -	- / -
P-40a***	92302 / C-130H Avionics Modernization Program (AMP) Increment 1 (Capability Improvement)				- / 91.128	- / -	- / -	- / -	- / -	- / -
P-40a***	92308 / T-56 3.5 Engine Mod (Capability Improvement)				- / 419.000	- / 79.000	- / 41.200	- / -	- / -	- / -
P-40a***	92309 / Onboard Fire Incident Response Equipment (Capability Improvement)				- / 149.967	- / 6.026	- / 0.100	- / -	- / -	- / -
P-40a***	92310 / HC-130P/N Variable Speed Drogue (VSD) (Capability Improvement)				- / 1.410	- / -	- / -	- / -	- / -	- / -
P-40a***	92311 / Electronic Propeller Control System (EPCS) (Capability Improvement)				- / 141.770	- / -	- / -	- / -	- / -	- / -
P-40a***	92312 / In-Flight Propeller Balancing System (IPBS) (Reliability & Maintainability)				- / 1.500	- / -	- / -	- / -	- / -	- / -
P-40a***	92315 / C-130H Simulator (Other)				- / 40.675	- / 7.128	- / 4.485	- / 0.000	- / -	- / 0.000
P-40a***	92316 / AFSOC C-130 Mods (Capability Improvement)				- / 22.642	- / -	- / -	- / -	- / -	- / -
P-40a***	92322 / MAFFS (Capability Improvement)				- / 4.600	- / 20.000	- / 20.000	- / -	- / -	- / -
P-40a***	92323 / C-130 Finlets (Other)				- / -	- / -	- / 17.500	- / -	- / -	- / -
P-40a***	99999A / LOW COST SAFETY MODIFICATIONS (Safety)				- / 3.034	- / -	- / -	- / -	- / -	- / -
P-40a***	99999C / HC-130 Low Cost Mods (Reliability & Maintainability)				- / 1.907	- / -	- / -	- / -	- / -	- / -
P-40a***	99999M / MISC SIMULATOR UPDATES (Capability Improvement)				- / 0.703	- / -	- / -	- / -	- / -	- / -
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 12.867	- / 1.839	- / 1.014	- / 1.957	- / -	- / 1.957
P-3a	8518 / C-130H Avionics Modernization Program (AMP) Increment 2 (Capability Improvement)		B		- / 0.000	- / 7.258	- / 79.703	- / 69.220	- / 0.000	- / 69.220
P-40	Total Gross/Weapon System Cost				- / 2,106.766	- / 272.251	- / 224.702	- / 71.177	- / -	- / 71.177

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	3773 / C-130 8-Bladed Propeller Upgrade (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 642.704

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C13000 / C-130

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207224F, 0401115F, 0401897F, 0404011F	Other Related Program Elements: 0207224F, 0401115F
---	---	--

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	8221 / C-130 ALR-69A Radar Warning Receiver (RWR) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 36.000
P-40a***	8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) (Service Life Extension)				- / 19.777	- / 35.909	- / 58.680	- / 59.902	- / 46.800	- / 909.075
P-40a***	9139 / MOD V IFF (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 42.100
P-40a***	9141 / C-130 CRASHWORTHY LOADMASTER SEAT (No text provided.)				- / -	- / -	- / -	- / -	- / -	- / 1.853
P-40a***	9149 / C-130 Aux Hyd Pump (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 16.599
P-40a***	92302 / C-130H Avionics Modernization Program (AMP) Increment 1 (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 91.128
P-40a***	92308 / T-56 3.5 Engine Mod (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 539.200
P-40a***	92309 / Onboard Fire Incident Response Equipment (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 156.093
P-40a***	92310 / HC-130P/N Variable Speed Drogue (VSD) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 1.410
P-40a***	92311 / Electronic Propeller Control System (EPCS) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 141.770
P-40a***	92312 / In-Flight Propeller Balancing System (IPBS) (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 1.500
P-40a***	92315 / C-130H Simulator (Other)				- / -	- / -	- / -	- / -	- / -	- / 52.288
P-40a***	92316 / AFSOC C-130 Mods (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 22.642
P-40a***	92322 / MAFFS (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 44.600
P-40a***	92323 / C-130 Finlets (Other)				- / -	- / -	- / -	- / -	- / -	- / 17.500
P-40a***	99999A / LOW COST SAFETY MODIFICATIONS (Safety)				- / -	- / -	- / -	- / -	- / -	- / 3.034
P-40a***	99999C / HC-130 Low Cost Mods (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 1.907
P-40a***	99999M / MISC SIMULATOR UPDATES (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 0.703
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 2.178	- / 2.095	- / 2.042	- / 1.904	- / 1.942	- / 27.838
P-3a	8518 / C-130H Avionics Modernization Program (AMP) Increment 2 (Capability Improvement)			B	- / 122.335	- / 129.904	- / 194.130	- / 121.577	- / 0.000	- / 724.127
P-40	Total Gross/Weapon System Cost				- / 144.290	- / 167.908	- / 254.852	- / 183.383	- / 48.742	- / 3,474.071

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

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

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

Justification:
FY 2024 primary efforts include: C-130 AMP Inc 2, and Low Cost Modifications. C-130 AMP Inc 2 will procure 20 kits and support efforts.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: C13000 / C-130
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207224F, 0401115F, 0401897F, 0404011F	Other Related Program Elements: 0207224F, 0401115F
Line Item MDAP/MAIS Code: N/A		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13000 / C-130	Modification Number / Title: 8518 / C-130H Avionics Modernization Program (AMP) Increment 2

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	7.258	79.703	69.220	0.000	69.220	122.335	129.904	194.130	121.577	0.000	724.127
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.000	7.258	79.703	69.220	0.000	69.220	122.335	129.904	194.130	121.577	0.000	724.127
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	7.258	79.703	69.220	0.000	69.220	122.335	129.904	194.130	121.577	0.000	724.127

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

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

Description:

The C-130H AMP Increment 2 program performs comprehensive avionics and cockpit modernization which replaces aging, unreliable equipment and adds combat capability enhancements. It also resolves select obsolescence and Diminishing Manufacturing Source (DMS) issues with solutions that may include life of type buys or bridge buys, as well as provides Type 1 training and modifies the C-130H aircrew and maintenance training systems and courseware. Funding also includes depot activation, program office support, Program Support Cost (PSC) activities and studies and risk reduction efforts as necessary. The DMS effort includes removal of end-of-life software/hardware within simulator systems and a 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. The Capability Development Document (CDD) for this program was approved on 8 Aug 14.

The Mod 92321 C-130H Mobile User Objective System (MUOS)/Second generation Anti-Jam Tactical UHF Radio for NATO (MUOS/SATURN) Capability Improvement program will be executed under the Mod 8518 AMP Increment 2 program for kit buys and installations to capitalize on aircraft downtime efficiencies. Next Generation Secure Voice capability is being accomplished by including the ARC-210 MUOS/ SATURN in the AMP Increment 2 kit. OTHER GOVT Support category is used for Depot Activation.

The C-130H requires global Beyond Line of Sight (BLOS) secure voice communications (classified up to SECRET) via Ultra High Frequency Military Satellite Communication (UHF MILSATCOM) connectivity. Funding timelines and UHF Follow-On MILSATCOM end of life dictate a MUOS-capable radio solution in order to fully utilize Department of Defense' (DOD) new UHF MILSATCOM constellation and waveform, Full Operational Frequency (FOC) 2017. The MUOS satellite constellation and radios will support backwards compatible secure BLOS communications connectivity with legacy users of the Non-Demand Assigned Multiple Access (DAMA) and Integrated Waveform (IW) communications systems.

The C-130H requires the significantly improved anti-jam capability provided by SATURN to remain interoperable with other AF, DOD, NATO and coalition aircraft. SATURN is the next generation UHF line-of-sight (LOS) anti-jam capability that will supplement and replace the currently installed HAVE QUICK II UHF LOS anti-jam capability.

This funding includes Rapid Global Mobility (RGM) platform related activities including, but not limited to fielding actions such as kit buys, installations, and support equipment.

The C-130H AMP Increment 2 program provides weapon system modifications and upgrades to meet USAF mission requirements for the LC/C-130H fleets.

The C-130H AMP Increment 2 program modifies up to 80 C-130H USAF-owned aircraft consisting of H3s, H2.5s, H2s, and LC-130H aircraft. The Engineering and Manufacturing Development (EMD) phase consists of up to three (3) prototype aircraft that represent variations in mission design with the remaining aircraft modified in the production phase.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13000 / C-130	Modification Number / Title: 8518 / C-130H Avionics Modernization Program (AMP) Increment 2

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

The program experienced significant software development and flight test planning issues in FY22. These issues led to the program being rebaselined; Milestone C/Low Rate Initial Production is now planned for Sep 2024.

Milestone/Development Status

C-130H AMP Increment 2 contract was awarded 3rd quarter of FY19. Preliminary Design Review took place 3rd quarter FY 2020 and Critical Design Review was accomplished in the 1st quarter FY 2021.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.258	79.703	24.718	-	24.718	45.670	43.478	156.941	116.399
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	28.868	-	28.868	53.065	62.909	26.485	3.452
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	15.634	-	15.634	23.600	23.517	10.704	1.726
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	7.258	79.703	69.220	0.000	69.220	122.335	129.904	194.130	121.577

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: C13000 / C-130					Modification Number / Title: 8518 / C-130H Avionics Modernization Program (AMP) Increment 2			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: C-130H				Modification Type: Capability Improvement				Related RDT&E PEs: 0401115F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
RDT&E PE #													
0401115F	3 / 196.831	- / 12.383	- / 0.407	- / 5.427	- / -	- / 5.427	- / -	- / -	- / -	- / -	- / -	3 / 215.048	
Procurement													
Modification Item 1 of 2: C-130 AMP Incr 2 - B													
B Kits													
Recurring													
C-130 AMP Incr 2 - B: EQUIPMENT Group B (Guard)	- / -	- / -	- / -	13 / 7.652	- / -	13 / 7.652	17 / 13.509	20 / 15.126	4 / 3.218	- / -	- / -	54 / 39.505	
C-130 AMP Incr 2 - B: EQUIPMENT Group B (Reserve)	- / -	- / -	- / -	7 / 4.210	- / -	7 / 4.210	7 / 5.904	7 / 5.900	2 / 1.537	- / -	- / -	23 / 17.551	
Subtotal: Recurring	- / -	- / -	- / -	- / 11.862	- / -	- / 11.862	- / 19.413	- / 21.026	- / 4.755	- / -	- / -	- / 57.056	
Subtotal: C-130 AMP Incr 2 - B	- / -	- / -	- / -	- / 11.862	- / -	- / 11.862	- / 19.413	- / 21.026	- / 4.755	- / -	- / -	- / 57.056	
Modification Item 2 of 2: COMMON: C-130H AMP Incr 2 - A													
A Kits													
Recurring													
COMMON: C-130H AMP Incr 2 - A: INSTALL KITS Group A (Guard)	- / -	- / -	- / -	13 / 21.216	- / -	13 / 21.216	17 / 28.441	20 / 33.333	4 / 6.827	- / -	- / -	54 / 89.817	
COMMON: C-130H AMP Incr 2 - A: INSTALL KITS Group A (Reserve)	- / -	- / -	- / -	7 / 11.424	- / -	7 / 11.424	7 / 11.711	7 / 11.667	2 / 3.413	- / -	- / -	23 / 38.215	
Subtotal: Recurring	- / -	- / -	- / -	- / 32.640	- / -	- / 32.640	- / 40.152	- / 45.000	- / 10.240	- / -	- / -	- / 128.032	
Subtotal: COMMON: C-130H AMP Incr 2 - A	- / -	- / -	- / -	- / 32.640	- / -	- / 32.640	- / 40.152	- / 45.000	- / 10.240	- / -	- / -	- / 128.032	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / 44.502	- / -	- / 44.502	- / 59.565	- / 66.026	- / 14.995	- / -	- / -	- / 185.088	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	- / -	- / 0.000	- / -	- / 0.000	
OTHER GOVT	- / -	- / -	- / 24.346	- / 15.849	- / -	- / 15.849	- / 14.800	- / 14.900	- / 14.500	- / 14.700	- / -	- / 149.095	
Change Orders	- / -	- / -	- / 145.530	- / 19.846	- / -	- / 19.846	- / 17.208	- / 13.684	- / 125.005	- / 84.888	- / -	- / 296.161	
SIM/TRAINER	- / -	- / -	- / 0.800	- / 0.500	- / -	- / 0.500	- / 0.800	- / 0.900	- / 0.904	- / -	- / -	- / 3.904	
Data	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.100	- / 0.123	- / 0.135	- / 0.139	- / -	- / 0.497	
SUPPORT-EQUIP	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.470	- / 12.021	- / 12.362	- / 12.893	- / -	- / 148.746	
ICS-Labor	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / 0.500	- / 0.500	- / 0.500	- / -	- / 1.700	
ICS-Material	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / 0.500	- / 0.500	- / -	- / 1.500	
PSC - Contractor Services	- / -	- / 17.156	- / 19.027	- / 18.421	- / -	- / 18.421	- / 10.642	- / 10.415	- / 12.600	- / 12.700	- / -	- / 70.961	
PSC - Other Gov't Costs	- / -	- / 0.100	- / -	- / 0.100	- / -	- / 0.100	- / 0.400	- / 0.400	- / 0.400	- / 0.040	- / -	- / 1.440	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13000 / C-130	Modification Number / Title: 8518 / C-130H Avionics Modernization Program (AMP) Increment 2

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

Models of Systems Affected: C-130H	Modification Type: Capability Improvement	Related RDT&E PEs: 0401115F
---	--	--

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Type 1 Training	- / -	- / 10.002	- / -	- / 10.002	- / -	- / 10.002	- / 10.050	- / 10.035	- / 10.035	- / 10.039	- / -	- / 10.163
<i>Subtotal: Support</i>	- / -	- / 7.258	- / 79.703	- / 24.718	- / -	- / 24.718	- / 45.670	- / 43.478	- / 156.941	- / 116.399	- / -	- / 474.167
Installation												
<i>Modification Item 1 of 2:</i> C-130 AMP Incr 2 - B	- / -	- / -	- / -	- / -	- / -	- / -	20 / 17.100	24 / 20.400	27 / 22.194	6 / 5.178	- / -	77 / 64.872
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	20 / 17.100	24 / 20.400	27 / 22.194	6 / 5.178	- / -	77 / 64.872
Total												
Total Cost (Procurement + Support + Installation)	0.000	7.258	79.703	69.220	0.000	69.220	122.335	129.904	194.130	121.577	0.000	724.127

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13000 / C-130	Modification Number / Title: 8518 / C-130H Avionics Modernization Program (AMP) Increment 2

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

Modification Item 1 of 2: C-130 AMP Incr 2 - B

Manufacturer Information

Manufacturer Name: L3Harris	Manufacturer Location: Waco, TX
Administrative Leadtime (in Months): 8	Production Leadtime (in Months): 3

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Jun 2024	Jun 2025	Jun 2026	Jun 2027	
Delivery Dates			Sep 2024	Sep 2025	Sep 2026	Sep 2027	

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	20 / 17.100	- / -	- / -	- / -	- / -	20 / 17.100
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 20.400	- / -	- / -	- / -	24 / 20.400
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 22.194	- / -	- / -	27 / 22.194
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 5.178	- / -	6 / 5.178
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	20 / 17.100	24 / 20.400	27 / 22.194	6 / 5.178	- / -	77 / 64.872

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	6	6	8	0	8	8	8	0	9	9	9	0	2	2	2	0	0	77
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	8	0	8	8	8	-	9	9	9	0	2	2	2	0	77

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: C13000 / C-130			Modification Number / Title: 8518 / C-130H Avionics Modernization Program (AMP) Increment 2	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 2 of 2: COMMON: C-130H AMP Incr 2 - A							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C1300J / C-130J Mods

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0401132F, 0401897F **Other Related Program Elements:** 0401132F, 0401897F

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	775.589	110.784	112.299	121.258	-	121.258	182.089	187.717	172.068	186.737	409.124	2,257.665
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	775.589	110.784	112.299	121.258	-	121.258	182.089	187.717	172.068	186.737	409.124	2,257.665
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	775.589	110.784	112.299	121.258	-	121.258	182.089	187.717	172.068	186.737	409.124	2,257.665

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

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

Description:

The 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 30 ft) fuselage, provides additional cargo carrying capacity for the USAF combat delivery mission compared with legacy C-130E/Hs and the C-130J (short).

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

As of March 2023, there have been 293 USAF C-130J aircraft deliveries. Variants include 141 C-130J; ten (10) C-130J (short); ten (10) WC-130J; seven (7) EC-130J; 39 HC-130J; and, 86 MC/AC-130J. The designed service life is 35 years and the average service life remaining is 26.2 years.

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

In FY 2024, the center wing box replacement program continues with the installation of enhanced service life (ESL) center wing kits and the procurement of ESL kits. Since Nov 2009, all production C-130Js have been delivered with the ESL center wing.

In order to better manage the fleet and to avoid simultaneously supporting three separate aircraft configurations (Block 6, Block 7 and Block 8.1), Blocks 7.0 and 8.1 have been combined into one aircraft modification program. This way the aircraft and trainers will only have to be modified one time. The Block 8.1 mod includes Block 7.0 content.

The international C-130J Block 8.1 operational test & evaluation (OT&E) is complete.

Mod 8668 WST (Weapons System Trainer) Threat Generators is a full-motion, full-mission simulators designed to simulate the operational and performance characteristics of the C-130J aircraft. No P-3A is available for this mod.

Block 8.1 includes ADS-B Out and Mode V IFF as well as 34 additional capabilities. In order to meet the Federal Aviation Administration (FAA) 2020 mandate, the USAF installed the Block 8.1 ADS-B Out/Mode V IFF solution on all C-130J variants not scheduled to receive Block 8.1 by January 2020. All C-130Js still require Block 8.1.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force			Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft			P-1 Line Item Number / Title: C1300J / C-130J Mods		
ID Code (A=Service Ready, B=Not Service Ready):		Program Elements for Code B Items: 0401132F, 0401897F		Other Related Program Elements: 0401132F, 0401897F	
Line Item MDAP/MAIS Code: N/A					

This funding includes Rapid Global Mobility (RGM) platform related activities including but not limited to fielding actions.
 NOTE: USMC KC-130Js and USCG HC-130Js are following USAF's lead and will also field combined Block 7/8.1 aircraft.
 Funding for this exhibit is contained in PE 0401132F and PE 0401897F.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	110.784	112.299	113.258	-	113.258	174.089	182.717	172.068	186.737
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	8.000	-	8.000	8.000	5.000	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	110.784	112.299	121.258	-	121.258	182.089	187.717	172.068	186.737

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date: March 2023**

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C1300J / C-130J Mods

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0401132F, 0401897F **Other Related Program Elements:** 0401132F, 0401897F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	_2612 / Avionics System and Structural Modifications (Capability Improvement)				- / 32.964	- / 4.574	- / 0.165	- / -	- / -	- / -
P-40a***	_5296 / Wind Gust Brake (Reliability & Maintainability)				- / 39.849	- / -	- / -	- / -	- / -	- / -
P-40a***	8668 / WST Threat Generators (Capability Improvement)				- / 6.744	- / -	- / -	- / 4.690	- / -	- / 4.690
P-40a***	8669 / Communication Modernization (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a***	99999X / Low Cost Modifications (Safety)				- / 11.264	- / 0.140	- / 0.200	- / 0.100	- / -	- / 0.100
P-3a	5222 / BLOCK 8.1 (Capability Improvement)		B		- / 528.627	- / 82.816	- / 98.844	- / 85.404	- / 0.000	- / 85.404
P-3a	8646 / C-130J Center Wing Replacement (Service Life Extension)		A		- / 156.141	- / 23.254	- / 13.090	- / 15.064	- / 0.000	- / 15.064
P-3a	8670 / EC-130J Conversion (Other)		B		- / -	- / -	- / -	- / 16.000	- / 0.000	- / 16.000
P-40	Total Gross/Weapon System Cost				- / 775.589	- / 110.784	- / 112.299	- / 121.258	- / -	- / 121.258

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	_2612 / Avionics System and Structural Modifications (Capability Improvement)				- / 0.200	- / -	- / 0.200	- / -	- / -	- / 38.103
P-40a***	_5296 / Wind Gust Brake (Reliability & Maintainability)				- / -	- / -	- / -	- / -	- / -	- / 39.849
P-40a***	8668 / WST Threat Generators (Capability Improvement)				- / 2.952	- / -	- / -	- / -	- / -	- / 14.386
P-40a***	8669 / Communication Modernization (Capability Improvement)				- / 17.350	- / 62.812	- / 44.546	- / 12.940	- / 158.183	- / 295.831
P-40a***	99999X / Low Cost Modifications (Safety)				- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / -	- / 12.504
P-3a	5222 / BLOCK 8.1 (Capability Improvement)		B		- / 128.063	- / 104.759	- / 121.347	- / 155.907	- / 191.186	- / 1,496.953
P-3a	8646 / C-130J Center Wing Replacement (Service Life Extension)		A		- / 17.324	- / 14.946	- / 5.775	- / 17.690	- / 59.755	- / 323.039
P-3a	8670 / EC-130J Conversion (Other)		B		- / 16.000	- / 5.000	- / 0.000	- / 0.000	- / -	- / 37.000
P-40	Total Gross/Weapon System Cost				- / 182.089	- / 187.717	- / 172.068	- / 186.737	- / 409.124	- / 2,257.665

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

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

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

Justification:
This program, P-3A Mod 8668, WST Threat Generators, is a new start.
This program, P-3A Mod 8670, EC-130J Conversion, is a new start.

FY 2024 funding request includes: Block 8.1, C-130J Center Wing Replacement, WSC Threat Generators, EC-130J Conversion, and Low Cost Mods.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C1300J / C-130J Mods	Modification Number / Title: 5222 / BLOCK 8.1

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	528.627	82.816	98.844	85.404	0.000	85.404	128.063	104.759	121.347	155.907	191.186	1,496.953
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	528.627	82.816	98.844	85.404	0.000	85.404	128.063	104.759	121.347	155.907	191.186	1,496.953
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	528.627	82.816	98.844	85.404	0.000	85.404	128.063	104.759	121.347	155.907	191.186	1,496.953

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

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

Description:

The C-130J combined 7.0 and 8.1 Block Upgrades (BU) modification program funds the procurement and installation of Communication, Navigation and Surveillance / Air Traffic Management (CNS/ATM) navigation safety and other aircraft hardware and software improvements on USAF C-130J aircraft and associated training systems. The combined BU 7.0 and 8.1 (now called just Block 8.1) is being implemented to maintain access to global airspace, enhance aircraft navigational accuracy and aircrew situational awareness. It increases overall C-130J operational utility/effectiveness and reduces C-130J systems/parts obsolescence.

Block 8.1 provides 38 capabilities for the C-130J including: a new Flight Management System, civil GPS, Link-16 (MIDS LVT BU2 and JTRS), digital maps, Mission Computer - Operational Flight Program (MC-OPF), a modified control yoke, Telecommunications Electronics Material Protected from Emanating Spurious Transmissions (TEMPEST) compliance, Identification Friend or Foe (IFF) Transponder Mode 5, Enhanced Inter-Communication System, CNS/ATM Civil Data Link and Automatic Dependent Surveillance Broadcast (ADS-B) out. HQ AMC procures the common Group B Kits only for the EC/HC Block 8.1 program. All variant unique hardware is procured by the applicable variant. HQ AMC is collaborating with AFRC and ANG units to provide funding in the out years to retrofit their respective units.

This funding request will support diminishing manufacturing sources and obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity.

This project contains procurement funding for related non-recurring engineering efforts, studies and risk reduction activities.

This project contains procurement funding for Program Support Costs (PSC) activities.

The number of kits procured is based on aircraft installations and available funding.

The ADS-B Out and Mode V IFF capability was accelerated ahead of the complete Block 8.1 mod in order to meet the Jan 2020 mandate and is included in this document.

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

This funding includes Rapid Global Mobility (RGM) platform related activities including but not limited to fielding actions such as kit buys, installation and support equipment.

The spares for the Block 8.1 program and B kits purchased for other variants are on the "Other Government Cost" line on this P3A.

This program includes cost for a Software Integration Lab (SIL) stand up as the depot source of repair (DSOR) states BU 7.0/8.1 software maintenance will be performed organically at WR-ALC.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C1300J / C-130J Mods	Modification Number / Title: 5222 / BLOCK 8.1
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

This funding request will support removal of the Dynamic Re-tasking Capability during the install of Block 7.0/8.1.

The first combined Block 7.0/8.1 mod was delivered 1 Dec 2020.

Milestone/Development Status

Successful full rate production decision 1 Oct 2019.

BU 8.1 operational testing occurred 9 Jul 18 to 28 Sep 18 with no reported CAT 1 deficiencies, formal out brief provided to AMC 22 Jul 19.

An adversarial assessment was performed second quarter FY 2019; no new risks were identified. Full rate production decision approval - 1 Oct 19.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	82.816	98.844	85.404	-	85.404	128.063	104.759	121.347	155.907
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	82.816	98.844	85.404	0.000	85.404	128.063	104.759	121.347	155.907

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: C1300J / C-130J Mods					Modification Number / Title: 5222 / BLOCK 8.1			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: C-130J				Modification Type: Capability Improvement				Related RDT&E PEs: 0401132F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0401132F	- / 28.654	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 28.654	
Procurement													
Modification Item 1 of 2: ADS-B Out													
A Kits													
Recurring													
ADS-B Out:INSTALL KITS Group A (Active)	244 / 25.893	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	244 / 25.893	
Subtotal: Recurring	- / 25.893	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 25.893	
B Kits													
Recurring													
ADS-B Out:EQUIPMENT Group B (Active)	244 / 38.163	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	244 / 38.163	
Subtotal: Recurring	- / 38.163	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 38.163	
Subtotal: ADS-B Out	- / 64.056	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 64.056	
Modification Item 2 of 2: Block 81 LAM Kit													
A Kits													
Recurring													
Block 81 LAM Kit:INSTALL KITS Group A (Active)	77 / 68.320	2 / 6.100	12 / 14.240	10 / 9.410	- / -	10 / 9.410	15 / 15.415	6 / 6.313	12 / 12.120	15 / 17.500	9 / 10.530	158 / 159.948	
Subtotal: Recurring	- / 68.320	- / 6.100	- / 14.240	- / 9.410	- / -	- / 9.410	- / 15.415	- / 6.313	- / 12.120	- / 17.500	- / 10.530	- / 159.948	
B Kits													
Recurring													
Block 81 LAM Kit:EQUIPMENT Group B (Active)	77 / 121.784	2 / 4.740	12 / 28.800	10 / 19.834	- / -	10 / 19.834	15 / 32.150	6 / 15.236	12 / 28.964	15 / 39.439	9 / 23.965	158 / 314.912	
Subtotal: Recurring	- / 121.784	- / 4.740	- / 28.800	- / 19.834	- / -	- / 19.834	- / 32.150	- / 15.236	- / 28.964	- / 39.439	- / 23.965	- / 314.912	
Subtotal: Block 81 LAM Kit	- / 190.104	- / 10.840	- / 43.040	- / 29.244	- / -	- / 29.244	- / 47.565	- / 21.549	- / 41.084	- / 56.939	- / 34.495	- / 474.860	
Subtotal: Procurement, All Modification Items	- / 254.160	- / 10.840	- / 43.040	- / 29.244	- / -	- / 29.244	- / 47.565	- / 21.549	- / 41.084	- / 56.939	- / 34.495	- / 538.916	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 39.496	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.892	- / 5.009	- / 5.129	- / 0.525	- / 55.051	
OTHER GOVT	- / 91.218	- / 13.800	- / 12.446	- / 22.780	- / -	- / 22.780	- / 25.043	- / 19.961	- / 18.442	- / 30.496	- / 37.957	- / 272.143	
Data	- / 6.854	- / 2.800	- / 0.200	- / 0.197	- / -	- / 0.197	- / 0.270	- / 0.735	- / 0.900	- / 2.852	- / 3.354	- / 18.162	
GFP	- / 18.849	- / 12.100	- / 4.257	- / 17.765	- / -	- / 17.765	- / 7.090	- / 6.064	- / 4.732	- / 7.350	- / 8.998	- / 77.205	
SIM/TRAINER	- / 18.690	- / 11.732	- / 9.900	- / 9.100	- / -	- / 9.100	- / 8.868	- / 17.097	- / 11.384	- / 13.450	- / 14.300	- / 114.521	
SUPPORT-EQUIP	- / 1.300	- / 2.145	- / 1.000	- / 0.302	- / -	- / 0.302	- / 0.959	- / 0.982	- / 1.006	- / 1.650	- / 1.950	- / 11.294	
ICS-Labor	- / 13.600	- / 7.850	- / 7.900	- / 0.513	- / -	- / 0.513	- / 0.599	- / 0.630	- / 0.625	- / 1.230	- / 1.353	- / 34.300	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: C1300J / C-130J Mods						Modification Number / Title: 5222 / BLOCK 8.1		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: C-130J				Modification Type: Capability Improvement				Related RDT&E PEs: 0401132F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
ICS-Material	- / 0.540	- / 1.185	- / 1.176	- / 0.514	- / -	- / 0.514	- / 0.878	- / 1.002	- / 1.293	- / 1.895	- / 2.200	- / 10.683
PSC - Contractor Services	- / 21.006	- / 8.100	- / 4.825	- / -	- / -	- / -	- / 3.277	- / 3.235	- / -	- / 8.250	- / -	- / 48.693
Mod of Spares	- / -	- / -	- / -	- / 12.675	- / -	- / 12.675	- / 14.600	- / 11.179	- / 10.073	- / 12.850	- / 14.900	- / 66.277
<i>Subtotal: Support</i>	- / 211.553	- / 59.712	- / 41.704	- / 43.846	- / -	- / 43.846	- / 61.584	- / 65.777	- / 53.464	- / 85.152	- / 85.537	- / 708.329
Installation												
<i>Modification Item 1 of 2: ADS-B Out</i>	244 / 7.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	244 / 7.500
<i>Modification Item 2 of 2: Block 81 LAM Kit</i>	38 / 55.414	15 / 12.264	15 / 14.100	15 / 12.314	- / -	15 / 12.314	11 / 18.914	10 / 17.433	15 / 26.799	6 / 13.816	33 / 71.154	158 / 242.208
<i>Subtotal: Installation</i>	282 / 62.914	15 / 12.264	15 / 14.100	15 / 12.314	- / -	15 / 12.314	11 / 18.914	10 / 17.433	15 / 26.799	6 / 13.816	33 / 71.154	402 / 249.708
Total												
Total Cost (Procurement + Support + Installation)	528.627	82.816	98.844	85.404	0.000	85.404	128.063	104.759	121.347	155.907	191.186	1,496.953

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C1300J / C-130J Mods	Modification Number / Title: 5222 / BLOCK 8.1
---	--	---

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

Modification Item 1 of 2: ADS-B Out

Manufacturer Information

Manufacturer Name: Lockheed Martin Manufacturer Location: Marietta GA

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 7

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	244 / 7.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	244 / 7.500
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	244 / 7.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	244 / 7.500

Installation Schedule

PYS	FY 2022	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	244	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	244
Out	244	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	244

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C1300J / C-130J Mods	Modification Number / Title: 5222 / BLOCK 8.1
---	--	---

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

Modification Item 2 of 2: Block 81 LAM Kit

Manufacturer Information

Manufacturer Name: Lockheed Martin Manufacturer Location: Marietta GA/Greenville SC

Administrative Leadtime (in Months): 1 Production Leadtime (in Months): 20

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Nov 2021	Nov 2022	Nov 2023	Nov 2024	Nov 2025	Nov 2026	Nov 2027
Delivery Dates	Jul 2023	Jul 2024	Jul 2025	Jul 2026	Jul 2027	Jul 2028	Jul 2029

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	38 / 55.414	15 / 12.264	15 / 14.100	7 / 6.580	- / -	7 / 6.580	2 / 3.439	- / -	- / -	- / -	- / -	77 / 91.797
FY 2022	- / -	- / -	- / -	2 / 1.100	- / -	2 / 1.100	- / -	- / -	- / -	- / -	- / -	2 / 1.100
FY 2023	- / -	- / -	- / -	6 / 4.634	- / -	6 / 4.634	6 / 10.317	- / -	- / -	- / -	- / -	12 / 14.951
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.158	7 / 12.203	- / -	- / -	- / -	10 / 17.361
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.230	12 / 21.439	- / -	- / -	15 / 26.669
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.360	3 / 6.908	- / -	6 / 12.268
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.908	9 / 21.840	12 / 28.748
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 31.937	15 / 31.937
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 17.377	9 / 17.377
Total	38 / 55.414	15 / 12.264	15 / 14.100	15 / 12.314	- / -	15 / 12.314	11 / 18.914	10 / 17.433	15 / 26.799	6 / 13.816	33 / 71.154	158 / 242.208

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	38	3	4	4	4	4	4	4	3	4	3	4	4	2	3	3	3	2	2	3	3	3	4	4	4	2	2	1	1	33	158
Out	38	3	4	4	4	4	4	4	3	4	3	4	4	2	3	3	3	2	2	3	3	3	4	4	4	2	2	1	1	33	158

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C1300J / C-130J Mods	Modification Number / Title: 8646 / C-130J Center Wing Replacement

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	156.141	23.254	13.090	15.064	0.000	15.064	17.324	14.946	5.775	17.690	59.755	323.039
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	156.141	23.254	13.090	15.064	0.000	15.064	17.324	14.946	5.775	17.690	59.755	323.039
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	156.141	23.254	13.090	15.064	0.000	15.064	17.324	14.946	5.775	17.690	59.755	323.039

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

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

Description:

This program replaces the Center Wing Box (CWB) on C-130J aircraft with an extended service life (ESL) center wing. The ESL wing has been the standard production wing since Nov 2009. The first 77 C-130Js were built with the legacy C-130H center wing. The legacy wing has a life of 38,500 equivalent flying hours (EFH) before flight restrictions are imposed. The severity of the flight environment dictates how rapidly a wing needs to be replaced. The planes at the C-130J schoolhouse require replacement first, as virtually all of their flight hours are tactical. Validated Requirements Document: AF IMT 1067 (Modification Proposal) AMC-11-115, dated 19 Sep 11.

C-130J CWR is projected to require a follow-on contract in the FY25 timeframe. Based on current flight hour projections, beyond FY25, the requirement to replace expended CWBs will maintain a fairly steady state of two-to-three replacements per year for the remainder of the program (30 aircraft).

Milestone/Development Status

N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	23.254	13.090	15.064	-	15.064	17.324	14.946	5.775	17.690
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	23.254	13.090	15.064	0.000	15.064	17.324	14.946	5.775	17.690

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: C1300J / C-130J Mods						Modification Number / Title: 8646 / C-130J Center Wing Replacement		
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:					
Models of Systems Affected: C-130J				Modification Type: Service Life Extension				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1: Install Kit C-130J Contract 1 Group A</i>												
A Kits												
Recurring												
Install Kit C-130J Contract 1 Group A:INSTALL KITS Group A (Active)	22 / 88.575	2 / 9.670	3 / 12.150	- / -	- / -	- / -	- / -	- / -	- / -	3 / 17.100	3 / 17.400	33 / 144.895
Install Kit C-130J Contract 1 Group A:INSTALL KITS Group A (Reserve)	1 / 4.330	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.330
<i>Subtotal: Recurring</i>	- / 92.905	- / 9.670	- / 12.150	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.100	- / 17.400	- / 149.225
<i>Subtotal: Install Kit C-130J Contract 1 Group A</i>	- / 92.905	- / 9.670	- / 12.150	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.100	- / 17.400	- / 149.225
<i>Subtotal: Procurement, All Modification Items</i>	- / 92.905	- / 9.670	- / 12.150	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.100	- / 17.400	- / 149.225
Support (All Modification Items)												
GROUP A: TOTAL NONRECURRING	- / 8.240	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.240
Change Orders	- / 0.125	- / 0.454	- / 0.384	- / 0.445	- / -	- / 0.445	- / 0.495	- / 1.054	- / 0.450	- / 0.450	- / -	- / 3.857
Data	- / 1.382	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.382
OCO INSTALLATIONS	- / 0.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.004
PMA - Contractor Services	- / 3.865	- / 0.473	- / 0.518	- / 0.550	- / -	- / 0.550	- / 0.229	- / 0.782	- / -	- / -	- / -	- / 6.417
PMA - Other Gov't Costs	- / 0.122	- / 0.036	- / 0.038	- / 0.569	- / -	- / 0.569	- / 0.600	- / 0.950	- / 0.110	- / 0.140	- / -	- / 2.565
<i>Subtotal: Support</i>	- / 13.738	- / 0.963	- / 0.940	- / 1.564	- / -	- / 1.564	- / 1.324	- / 2.786	- / 0.560	- / 0.590	- / -	- / 22.465
Installation												
<i>Modification Item 1 of 1: Install Kit C-130J Contract 1 Group A</i>	15 / 49.498	4 / 12.621	- / -	3 / 13.500	- / -	3 / 13.500	3 / 16.000	2 / 12.160	1 / 5.215	- / -	6 / 42.355	34 / 151.349
<i>Subtotal: Installation</i>	15 / 49.498	4 / 12.621	- / -	3 / 13.500	- / -	3 / 13.500	3 / 16.000	2 / 12.160	1 / 5.215	- / -	6 / 42.355	34 / 151.349
Total												
Total Cost (Procurement + Support + Installation)	156.141	23.254	13.090	15.064	0.000	15.064	17.324	14.946	5.775	17.690	59.755	323.039

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5		P-1 Line Item Number / Title: C1300J / C-130J Mods
		Modification Number / Title: 8646 / C-130J Center Wing Replacement
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Modification Item 1 of 1: Install Kit C-130J Contract 1 Group A

Manufacturer Information

Manufacturer Name: Lockheed Martin Aero				Manufacturer Location: Marietta GA			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 27			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022	Jan 2023					Jan 2028
Delivery Dates	Apr 2024	Apr 2025					Apr 2030

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	15 / 49.498	4 / 12.621	- / -	3 / 13.500	- / -	3 / 13.500	1 / 5.200	- / -	- / -	- / -	- / -	23 / 80.819
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	2 / 10.800	- / -	- / -	- / -	- / -	2 / 10.800
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 12.160	1 / 5.215	- / -	- / -	3 / 17.375
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 20.064	3 / 20.064
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 22.291	3 / 22.291
Total	15 / 49.498	4 / 12.621	- / -	3 / 13.500	- / -	3 / 13.500	3 / 16.000	2 / 12.160	1 / 5.215	- / -	6 / 42.355	34 / 151.349

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	15	1	1	1	1	-	-	-	-	1	1	-	1	-	1	1	1	-	-	1	1	-	1	-	-	-	-	-	-	6	34
Out	13	-	1	1	-	-	-	-	-	1	1	1	-	1	1	1	1	-	1	1	1	1	-	1	1	-	-	-	-	6	34

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C1300J / C-130J Mods	Modification Number / Title: 8670 / EC-130J Conversion

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	16.000	0.000	16.000	16.000	5.000	0.000	0.000	-	37.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	-	16.000	0.000	16.000	16.000	5.000	0.000	0.000	-	37.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	16.000	0.000	16.000	16.000	5.000	0.000	0.000	-	37.000

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

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

Description:

This program, P-3A Mod 8670, EC-130J Conversion, is a new start. USSOCOM is phasing out the seven EC-130Js at the 193 SOW (ANG) and converting the unit to MC-130Js. The seven EC-130Js currently at the 193 SOW are being re-purposed as they have a lot of life remaining. Two of the EC-130J Super Js will be converted back to their original C-130J configuration. They will be based at Little Rock AFB in the 189 AW (ANG) and augment the C-130J Formal Training Unit.

All excess wiring, fuel-plumbing and peculiar systems will be removed and common systems will be returned to the basic C-130J locations. Peculiar C-130J systems, not on an EC-130J, will be reinstalled.

The SPO (System Program Office) has not completed the programmatic schedule to determine the month and calendar year for any of the Evaluation Tests: (Developmental Test & Evaluation (DTE), Initial Operational Test & Evaluation (IOT&E), Operational Test & Evaluation (OTE)) and is TBD.

Milestone/Development Status

N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	8.000	-	8.000	8.000	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	8.000	-	8.000	8.000	5.000	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	16.000	0.000	16.000	16.000	5.000	0.000	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: C1300J / C-130J Mods				Modification Number / Title: 8670 / EC-130J Conversion					
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: C-130J				Modification Type: Other				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> EC Conversion													
A Kits													
Recurring													
EC Conversion:INSTALL KITS Group A (Guard)	- / -	- / -	- / -	2 / 8.000	- / -	2 / 8.000	2 / 8.000	- / -	- / -	- / -	- / -	4 / 16.000	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 8.000	- / -	- / 8.000	- / 8.000	- / -	- / -	- / -	- / -	- / 16.000	
<i>Subtotal: EC Conversion</i>	- / -	- / -	- / -	- / 8.000	- / -	- / 8.000	- / 8.000	- / -	- / -	- / -	- / -	- / 16.000	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 8.000	- / -	- / 8.000	- / 8.000	- / -	- / -	- / -	- / -	- / 16.000	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / -	- / 8.000	- / -	- / 8.000	- / 8.000	- / -	- / -	- / -	- / -	- / 16.000	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 8.000	- / -	- / 8.000	- / 8.000	- / -	- / -	- / -	- / -	- / 16.000	
Installation													
<i>Modification Item 1 of 1:</i> EC Conversion	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.000	- / -	- / -	- / -	4 / 5.000	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.000	- / -	- / -	- / -	4 / 5.000	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	16.000	0.000	16.000	16.000	5.000	0.000	0.000	-	37.000	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C1300J / C-130J Mods	Modification Number / Title: 8670 / EC-130J Conversion
---	--	--

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

Modification Item 1 of 1: EC Conversion

Manufacturer Information

Manufacturer Name: NA	Manufacturer Location: NA
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 28

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Apr 2024	Apr 2025			
Delivery Dates			Aug 2026	Aug 2027			

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.500	- / -	- / -	- / -	2 / 2.500
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.500	- / -	- / -	- / -	2 / 2.500
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.000	- / -	- / -	- / -	4 / 5.000

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	-	0	4
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	0	4

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C13500 / C-135
---	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0401218F	Other Related Program Elements: 0401218F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	542.212	58.776	144.557	153.595	-	153.595	184.956	186.983	183.527	167.369	0.000	1,621.975
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	542.212	58.776	144.557	153.595	-	153.595	184.956	186.983	183.527	167.369	0.000	1,621.975
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	542.212	58.776	144.557	153.595	-	153.595	184.956	186.983	183.527	167.369	0.000	1,621.975

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	5.014	-	-	-	5.014
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The KC-135 is the US Air Force's (USAF) aerial refueling workhorse. In FY 2022, USAF KC-135s offloaded 73,083,521 gallons of fuel and refueled 44,408 aircraft in support of global operations. KC-135 modernization funding is vital to ensure the KC-135 fleet can support global aerial refueling operations to 2050 and beyond.

The C/KC-135 is a four-engine aircraft used for long range cargo, passenger airlift and to support theater commanders. The C/KC-135 provides air refueling through either the refueling boom or drogue. As a cargo aircraft, the C/KC-135 can carry six (6) standard 463-L pallets. There are 377 aircraft (376 R/Ts, plus one test tanker) in the C/KC-135 inventory. There are no special purpose aircraft in the C/KC-135 inventory. With an average age of 61 years, the designed service life varies within the fleet with prioritized aircraft for retention certified up to 53,000 flight hours. As the fleet averages 900 flight hours per year, the estimated service life remaining is 30 years (approximately 2053).

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

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

Funding for this exhibit is contained in PE 0401218F.

The FY 2024 funding request was reduced by \$0.586M to account for the availability of prior year execution balances.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	18.020	82.114	105.351	-	105.351	127.684	151.191	129.608	124.101
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	27.021	42.322	32.315	-	32.315	39.723	25.066	37.292	30.016

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C13500 / C-135
--	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0401218F	Other Related Program Elements: 0401218F
--	--	---

Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	13.735	20.121	15.929	-	15.929	17.549	10.726	16.627	13.252
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	58.776	144.557	153.595	-	153.595	184.956	186.983	183.527	167.369

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C13500 / C-135

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0401218F **Other Related Program Elements:** 0401218F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	9818 / VOR/ILS ANTENNAE (Capability Improvement)				- / 9.287	- / 0.360	- / 11.267	- / -	- / -	- / -
P-40a***	9824 / ADS-B (Capability Improvement)				- / 14.019	- / -	- / -	- / -	- / -	- / -
P-40a***	9830 / Center Console Refresh (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a***	9832 / HF Modernization (Capability Improvement)				- / -	- / -	- / -	- / 0.300	- / -	- / 0.300
P-40a***	9833 / KC-135 Air Contour System/Aft Body Drag Reduction (Capability Improvement)				- / -	- / -	- / 11.500	- / -	- / -	- / -
P-40a***	9834 / KC-135 Vertical Wipers (Capability Improvement)				- / -	- / -	- / 8.000	- / -	- / -	- / -
P-40a***	9835 / KC-135 Winglets (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a***	99999A / LOW COST SAFETY MODIFICATIONS (Capability Improvement)				- / -	- / -	- / -	- / 0.025	- / -	- / 0.025
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 16.513	- / 2.253	- / 4.995	- / 4.995	- / -	- / 4.995
P-3a	8653 / BLOCK 45 (Capability Improvement)		A		- / 419.332	- / 51.937	- / 57.037	- / 46.788	- / 0.000	- / 46.788
P-3a	9826 / Rudder Position Indicator (RPI) (Capability Improvement)		A		- / 19.754	- / 2.564	- / 3.723	- / 7.533	- / 0.000	- / 7.533
P-3a	9827 / KC-135 AERO-I SATCOM replacement (Reliability & Maintainability)		B		- / 17.607	- / 1.662	- / 11.999	- / 7.269	- / 0.000	- / 7.269
P-3a	9828 / Real Time in the Cockpit (RTIC) (Capability Improvement)		A		- / 45.700	- / 0.000	- / 10.842	- / 23.651	- / 0.000	- / 23.651
P-3a	9829 / MUOS Radios (Capability Improvement)		B		- / -	- / -	- / 19.852	- / 33.386	- / 0.000	- / 33.386
P-3a	9831 / COMM2 Crypto and Data (Capability Improvement)		B		- / -	- / -	- / 5.342	- / 29.648	- / 0.000	- / 29.648
P-40	Total Gross/Weapon System Cost				- / 542.212	- / 58.776	- / 144.557	- / 153.595	- / -	- / 153.595

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	9818 / VOR/ILS ANTENNAE (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 20.914
P-40a***	9824 / ADS-B (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 14.019
P-40a***	9830 / Center Console Refresh (Capability Improvement)				- / -	- / -	- / 86.700	- / 126.349	- / -	- / 213.049
P-40a***	9832 / HF Modernization (Capability Improvement)				- / 25.888	- / 54.618	- / 33.720	- / 1.000	- / -	- / 115.526
P-40a***	9833 / KC-135 Air Contour System/Aft Body Drag Reduction (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 11.500
P-40a***	9834 / KC-135 Vertical Wipers (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 8.000
P-40a***	9835 / KC-135 Winglets (Capability Improvement)				- / 35.000	- / 35.000	- / 35.000	- / 35.000	- / -	- / 140.000
P-40a***	99999A / LOW COST SAFETY MODIFICATIONS (Capability Improvement)				- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / -	- / 0.125
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 4.995	- / 4.995	- / 4.995	- / 4.995	- / -	- / 48.736
P-3a	8653 / BLOCK 45 (Capability Improvement)		A		- / 4.732	- / 25.863	- / 18.698	- / 0.000	- / -	- / 624.387
P-3a	9826 / Rudder Position Indicator (RPI) (Capability Improvement)		A		- / 6.756	- / 3.200	- / 1.500	- / 0.000	- / -	- / 45.030

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: C13500 / C-135

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0401218F	Other Related Program Elements: 0401218F
--	--	---

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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-3a	9827 / KC-135 AERO-I SATCOM replacement (Reliability & Maintainability)		B		- / 1.596	- / 0.000	- / 0.000	- / -	- / -	- / 40.133
P-3a	9828 / Real Time in the Cockpit (RTIC) (Capability Improvement)		A		- / 24.568	- / 19.569	- / 1.000	- / -	- / -	- / 125.330
P-3a	9829 / MUOS Radios (Capability Improvement)		B		- / 44.474	- / 21.332	- / 0.720	- / 0.000	- / -	- / 119.764
P-3a	9831 / COMM2 Crypto and Data (Capability Improvement)		B		- / 36.922	- / 22.381	- / 1.169	- / 0.000	- / -	- / 95.462
P-40	Total Gross/Weapon System Cost				- / 184.956	- / 186.983	- / 183.527	- / 167.369	- / 0.000	- / 1,621.975

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

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

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

Justification:
This program, P-3A Mod 9832, HF Modernization, is a new start.

FY 2024 primary efforts include: KC-135 AERO-I SATCOM, Block 45, RTIC, Mobile User Objective System (MUOS) Radios, COMM 2 C&D, and RPI. All efforts are necessary to modernize KC-135 to support aerial refueling requirements through 2040.

HF modernization replaces legacy ARC-190 radio facing DMSMS with capability to enable future sustainability and growth to operate in SATCOM-denied environment while maintaining global secure voice and data between US aircraft and command and control agencies.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 8653 / BLOCK 45

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	419.332	51.937	57.037	46.788	0.000	46.788	4.732	25.863	18.698	0.000	-	624.387
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	419.332	51.937	57.037	46.788	0.000	46.788	4.732	25.863	18.698	0.000	-	624.387
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	419.332	51.937	57.037	46.788	0.000	46.788	4.732	25.863	18.698	0.000	-	624.387

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

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

Description:

The Block 45 program replaces legacy parts that drive high sustainment costs because they are difficult to maintain, have high rates of failure, and are no longer procurable. The modification includes a new Digital Flight Director, Digital Radio Altimeter, Digital Autopilot, and Electronic Engine Instrument Display. (PE 040128F)

Capabilities Development Document in lieu of Capabilities Production Document dated 17 May 12. Block 45 is the third major avionics upgrade to extend the KC-135 as a viable weapon system through FY 2050; Block 45 reduces maintenance repair time and sustainment cost for effected systems.

Scope: 329 C/KC-135 aircraft, 19 pilot simulators and 5 cockpit simulators with Block 45 install schedule through completion in 2024. Total of 272 aircraft have been upgraded to Block 45 as of March 2023.

FY24 support funding includes \$16.149M for nonrecurring upgrades to the avionics Common Computing Module due to Diminishing Manufacturing Sources Material Shortages (DMSMS).

FY26-27 Other Government support for Depot Standup.

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

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

Milestone/Development Status

Developmental Test & Evaluation completed March 2013. Milestone C approval received 25 July 2013. Currently in Full Rate Production.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	13.168	18.904	37.449	-	37.449	4.732	25.863	18.698	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	25.459	25.272	4.939	-	4.939	-	0.000	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force	Date: March 2023
---	-------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 8653 / BLOCK 45
---	--	--

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

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Total Obligation Authority	13.310	12.861	4.400	-	4.400	-	-	-	-
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	51.937	57.037	46.788	0.000	46.788	4.732	25.863	18.698	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: C13500 / C-135					Modification Number / Title: 8653 / BLOCK 45			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: KC-135				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> Block 45													
A Kits													
Recurring													
Block 45:INSTALL KITS Group A (Active)	90 / 7.899	13 / 0.640	5 / 0.579	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	108 / 9.118	
Block 45:INSTALL KITS Group A (Guard)	123 / 9.540	17 / 1.310	10 / 1.448	- / -	- / -	- / -	- / -	0 / 0.000	- / -	- / -	- / -	150 / 12.298	
Block 45:INSTALL KITS Group A (Reserve)	55 / 4.097	8 / 0.724	8 / 0.724	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	71 / 5.545	
<i>Subtotal: Recurring</i>	- / 21.536	- / 2.674	- / 2.751	- / -	- / -	- / -	- / -	- / 0.000	- / -	- / -	- / -	- / 26.961	
B Kits													
Recurring													
Block 45:EQUIPMENT Group B (Active)	94 / 71.578	9 / 6.882	5 / 6.117	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	108 / 84.577	
Block 45:EQUIPMENT Group B (Guard)	121 / 87.644	19 / 14.529	10 / 15.293	- / -	- / -	- / -	- / -	- / 0.000	- / -	- / -	- / -	150 / 117.466	
Block 45:EQUIPMENT Group B (Reserve)	53 / 40.545	10 / 7.647	8 / 7.647	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	71 / 55.839	
<i>Subtotal: Recurring</i>	- / 199.767	- / 29.058	- / 29.057	- / -	- / -	- / -	- / -	- / 0.000	- / -	- / -	- / -	- / 257.882	
<i>Subtotal: Block 45</i>	- / 221.303	- / 31.732	- / 31.808	- / -	- / -	- / -	- / -	- / 0.000	- / -	- / -	- / -	- / 284.843	
<i>Subtotal: Procurement, All Modification Items</i>	- / 221.303	- / 31.732	- / 31.808	- / -	- / -	- / -	- / -	- / 0.000	- / -	- / -	- / -	- / 284.843	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / 16.149	- / -	- / 16.149	- / 2.664	- / -	- / -	- / -	- / -	- / 18.813	
Change Orders	- / 8.002	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.002	
Data	- / 1.295	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.295	
SIM/TRAINER	17 / 39.871	- / 0.840	- / 2.965	- / 2.415	- / -	- / 2.415	- / 1.115	- / -	- / -	- / -	- / -	17 / 47.206	
SUPPORT-EQUIP	- / 1.972	- / -	- / 1.845	- / 7.500	- / -	- / 7.500	- / -	- / -	- / -	- / -	- / -	- / 11.317	
OTHER GOVT	- / 36.730	- / -	- / 3.357	- / 5.355	- / -	- / 5.355	- / 10.596	- / 24.763	- / 18.618	- / -	- / -	- / 89.419	
PSC - Contractor Services	- / 6.156	- / 1.100	- / -	- / 11.520	- / -	- / 11.520	- / -	- / -	- / -	- / -	- / -	- / 18.776	
PSC - Other Gov't Costs	- / 1.884	- / 1.461	- / -	- / 12.860	- / -	- / 12.860	- / 10.357	- / 1.100	- / 0.080	- / -	- / -	- / 17.742	
<i>Subtotal: Support</i>	17 / 95.910	- / 3.401	- / 8.167	- / 35.799	- / -	- / 35.799	- / 4.732	- / 25.863	- / 18.698	- / -	- / -	17 / 192.570	
Installation													
<i>Modification Item 1 of 1:</i> Block 45	232 / 102.119	38 / 16.804	38 / 17.062	21 / 10.989	- / -	21 / 10.989	- / -	- / -	- / -	- / -	- / -	329 / 146.974	
<i>Subtotal: Installation</i>	232 / 102.119	38 / 16.804	38 / 17.062	21 / 10.989	- / -	21 / 10.989	- / -	- / -	- / -	- / -	- / -	329 / 146.974	
Total													
Total Cost (Procurement + Support + Installation)	419.332	51.937	57.037	46.788	0.000	46.788	4.732	25.863	18.698	0.000	-	624.387	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 8653 / BLOCK 45
---	--	--

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

Modification Item 1 of 1: Block 45

Manufacturer Information

Manufacturer Name: Rockwell Collins	Manufacturer Location: Cedar Rapids, IA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 8

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022	Jan 2023					
Delivery Dates	Sep 2022	Sep 2023					

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	15 / 8.434	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 8.434
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	15 / 8.434	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 8.434

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	15
Out	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	15

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	217 / 93.685	36 / 15.906	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	253 / 109.591

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 8653 / BLOCK 45
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Modification Item 1 of 1: Block 45

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2022	- / -	2 / 0.898	36 / 16.164	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 17.062
FY 2023	- / -	- / -	2 / 0.898	21 / 10.989	- / -	21 / 10.989	- / -	- / -	- / -	- / -	- / -	23 / 11.887
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	217 / 93.685	38 / 16.804	38 / 17.062	21 / 10.989	- / -	21 / 10.989	- / -	- / -	- / -	- / -	- / -	314 / 138.540

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	217	9	10	9	10	9	10	9	10	9	10	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	314
Out	207	10	9	10	9	10	9	10	9	10	9	10	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	314

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9826 / Rudder Position Indicator (RPI)

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	19.754	2.564	3.723	7.533	0.000	7.533	6.756	3.200	1.500	0.000	-	45.030
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	19.754	2.564	3.723	7.533	0.000	7.533	6.756	3.200	1.500	0.000	-	45.030
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	19.754	2.564	3.723	7.533	0.000	7.533	6.756	3.200	1.500	0.000	-	45.030

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

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

Description:

The Rudder Position Indicator (RPI) program installs a display on each side of the cockpit showing the actual and commanded rudder position that will visually identify differences to the crew. Changing the function of the existing rudder command indicator to display actual and commanded rudder position is needed to provide aircrew situational awareness if dangerous errant rudder deflections occur. (PE 0401218F)

AF Form 1067 AMC, 14-096. Safety critical modification stemming from the Shell 77 accident that resulted in the loss of its crew.

349 aircraft being modified during scheduled Programmed Depot Maintenance (PDM) maintenance beginning in FY 2022 and ending in FY 2027. First PDM production install February 2022.

FY 2023 Funding and Milestones: \$3.723M; Post Milestone C; Kit Validation/Verification. A/B Kit purchase and installation, installation protection assets.

FY 2024 Funding and Milestones: \$7.533M; Post Milestone C; Kit Validation/Verification. A/B Kit purchase and installation, installation protection assets.

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

Milestone/Development Status

Material Development Decision/Acquisition Strategy Panel: Sep 18

Milestone-C: Nov 19

First Prototype Install: Nov 21 - Feb 22

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	1.605	1.948	3.822	-	3.822	3.060	1.421	0.551	-
AFNG	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.863	1.191	2.993	-	2.993	2.723	1.423	0.547	-
AFR	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: C13500 / C-135				Modification Number / Title: 9826 / Rudder Position Indicator (RPI)			
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:					
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Total Obligation Authority		0.096	0.584	0.718	-	0.718	0.973	0.356	0.402	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	2.564	3.723	7.533	0.000	7.533	6.756	3.200	1.500	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: C13500 / C-135					Modification Number / Title: 9826 / Rudder Position Indicator (RPI)			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: KC-135				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> RPI													
A Kits													
Recurring													
RPI:INSTALL KITS Group A (Active)	30 / 0.237	30 / 0.240	27 / 0.246	30 / 0.934	- / -	30 / 0.934	23 / 0.768	- / -	- / -	- / -	- / -	140 / 2.425	
RPI:INSTALL KITS Group A (Guard)	33 / 0.260	33 / 0.264	29 / 0.270	33 / 1.027	- / -	33 / 1.027	26 / 0.868	- / -	- / -	- / -	- / -	154 / 2.689	
RPI:INSTALL KITS Group A (Reserve)	12 / 0.095	12 / 0.096	9 / 0.098	12 / 0.373	- / -	12 / 0.373	10 / 0.333	- / -	- / -	- / -	- / -	55 / 0.995	
<i>Subtotal: Recurring</i>	- / 0.592	- / 0.600	- / 0.614	- / 2.334	- / -	- / 2.334	- / 1.969	- / -	- / -	- / -	- / -	- / 6.109	
B Kits													
Recurring													
RPI:EQUIPMENT Group B (Active)	60 / 0.871	- / -	30 / 0.472	30 / 0.473	- / -	30 / 0.473	23 / 0.363	- / -	- / -	- / -	- / -	143 / 2.179	
RPI:EQUIPMENT Group B (Guard)	66 / 0.958	- / -	33 / 0.505	33 / 0.521	- / -	33 / 0.521	26 / 0.411	- / -	- / -	- / -	- / -	158 / 2.395	
RPI:EQUIPMENT Group B (Reserve)	24 / 0.349	- / -	12 / 0.207	12 / 0.189	- / -	12 / 0.189	10 / 0.159	- / -	- / -	- / -	- / -	58 / 0.904	
<i>Subtotal: Recurring</i>	- / 2.178	- / -	- / 1.184	- / 1.183	- / -	- / 1.183	- / 0.933	- / -	- / -	- / -	- / -	- / 5.478	
<i>Subtotal: RPI</i>	- / 2.770	- / 0.600	- / 1.798	- / 3.517	- / -	- / 3.517	- / 2.902	- / -	- / -	- / -	- / -	- / 11.587	
<i>Subtotal: Procurement, All Modification Items</i>	- / 2.770	- / 0.600	- / 1.798	- / 3.517	- / -	- / 3.517	- / 2.902	- / -	- / -	- / -	- / -	- / 11.587	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / 2.795	- / -	- / 0.534	- / 0.225	- / -	- / 0.225	- / -	- / -	- / -	- / -	- / -	- / 3.554	
GROUP B: TOTAL NONRECURRING	- / 0.702	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.702	
Change Orders	- / 0.006	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.006	
Data	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.005	
SIM/TRAINER	19 / 2.464	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 2.464	
PSC - Contractor Services	- / 9.391	- / 0.539	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.930	
PSC - Other Gov't Costs	- / 1.239	- / 0.026	- / -	- / 0.496	- / -	- / 0.496	- / 0.481	- / 0.236	- / 0.131	- / -	- / -	- / 2.609	
OTHER GOVT	- / 0.382	- / -	- / -	- / 0.365	- / -	- / 0.365	- / 0.365	- / -	- / -	- / -	- / -	- / 1.112	
<i>Subtotal: Support</i>	19 / 16.984	- / 0.565	- / 0.534	- / 1.086	- / -	- / 1.086	- / 0.846	- / 0.236	- / 0.131	- / -	- / -	19 / 20.382	
Installation													
<i>Modification Item 1 of 1:</i> RPI	- / -	9 / 1.399	40 / 1.391	75 / 2.930	- / -	75 / 2.930	75 / 3.008	75 / 2.964	75 / 1.369	- / -	- / -	349 / 13.061	
<i>Subtotal: Installation</i>	- / -	9 / 1.399	40 / 1.391	75 / 2.930	- / -	75 / 2.930	75 / 3.008	75 / 2.964	75 / 1.369	- / -	- / -	349 / 13.061	
Total													
Total Cost (Procurement + Support + Installation)	19.754	2.564	3.723	7.533	0.000	7.533	6.756	3.200	1.500	0.000	-	45.030	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9826 / Rudder Position Indicator (RPI)

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

Modification Item 1 of 1: RPI

Manufacturer Information

Manufacturer Name: Cherokee Nation Aerospace and Defense	Manufacturer Location: Stilwell, OK
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 11

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024			
Delivery Dates	Nov 2022	Nov 2023	Nov 2024	Nov 2025			

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	9 / 1.399	30 / 1.043	36 / 1.406	- / -	36 / 1.406	- / -	- / -	- / -	- / -	- / -	75 / 3.848
FY 2022	- / -	- / -	10 / 0.348	39 / 1.524	- / -	39 / 1.524	26 / 1.043	- / -	- / -	- / -	- / -	75 / 2.915
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	49 / 1.965	16 / 0.633	- / -	- / -	- / -	65 / 2.598
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	59 / 2.331	16 / 0.292	- / -	- / -	75 / 2.623
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	59 / 1.077	- / -	- / -	59 / 1.077
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	9 / 1.399	40 / 1.391	75 / 2.930	- / -	75 / 2.930	75 / 3.008	75 / 2.964	75 / 1.369	- / -	- / -	349 / 13.061

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	1	2	3	3	2	-	19	19	19	19	19	18	19	19	19	18	19	19	19	18	19	19	19	18	-	-	-	-	0	349
Out	0	-	1	2	3	3	2	-	19	19	19	19	19	18	19	19	19	18	19	19	19	18	19	19	19	18	-	-	-	0	349

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9827 / KC-135 AERO-I SATCOM replacement

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	17.607	1.662	11.999	7.269	0.000	7.269	1.596	0.000	0.000	-	-	40.133
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	17.607	1.662	11.999	7.269	0.000	7.269	1.596	0.000	0.000	-	-	40.133
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	17.607	1.662	11.999	7.269	0.000	7.269	1.596	0.000	0.000	-	-	40.133

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

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

Description:

Replaces the current satellite service provider, INMARSAT, with Iridium. The current line replaceable unit (LRU) has a mean-time between failure (MTBF) rate of 2,400 hours; the new LRU has an estimated MTBF rate of 15,000 hours. A different satellite service is required to provide the required communications path because INMARSAT's end of service is projected to be 31 Dec 26. Therefore, there are no associated cost savings.

Requirement: Global Air Traffic Management (GATM) ORD AMC 007-97-B.

Scope: 359 KC-135 aircraft, FY 2020-FY 2025

Recent Milestone: Ground test completed 5 Nov 2022.

FY 2023 Funding and Milestones: \$11.999; A/B kit purchase - Sep 23, Contracted Field Team (CFT) installs

FY 2024 Funding and Milestones: \$7.269M; A/B kit purchase - Sep 24, CFT installs

Milestone/Development Status

Material Development Decision/Acquisition Strategy Panel completed Feb 19. Currently in integration phase. Flight test scheduled for June 2023. CFT installs begin in 4QTR FY23

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.634	6.898	3.829	-	3.829	0.638	0.000	0.000	-
AFNG									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.699	3.620	2.489	-	2.489	0.484	-	-	-
AFR									
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9827 / KC-135 AERO-I SATCOM replacement

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
	Total Obligation Authority	0.329	1.481	0.951	-	0.951	0.474	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	1.662	11.999	7.269	0.000	7.269	1.596	0.000	0.000	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: C13500 / C-135							Modification Number / Title: 9827 / KC-135 AERO-I SATCOM replacement			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:							
Models of Systems Affected: KC-135				Modification Type: Reliability & Maintainability				Related RDT&E PEs:						
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total		
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		
Procurement														
<i>Modification Item 1 of 1:</i> Group B														
A Kits														
Recurring														
Group B:INSTALL KITS Group A (Active)	- / 0.792	- / -	- / 0.602	- / 0.356	- / -	- / 0.356	- / -	- / -	- / -	- / -	- / -	- / 1.750		
Group B:INSTALL KITS Group A (Guard)	- / 0.853	- / -	- / 0.682	- / 0.402	- / -	- / 0.402	- / -	- / -	- / -	- / -	- / -	- / 1.937		
Group B:INSTALL KITS Group A (Reserve)	- / 0.373	- / -	- / 0.302	- / 0.178	- / -	- / 0.178	- / -	- / -	- / -	- / -	- / -	- / 0.853		
<i>Subtotal: Recurring</i>	- / 2.018	- / -	- / 1.586	- / 0.936	- / -	- / 0.936	- / -	- / -	- / -	- / -	- / -	- / 4.540		
B Kits														
Recurring														
Group B:EQUIPMENT Group B (Active)	48 / 1.956	15 / 0.585	46 / 1.808	27 / 1.053	- / -	27 / 1.053	- / -	- / -	- / -	- / -	- / -	136 / 5.402		
Group B:EQUIPMENT Group B (Guard)	54 / 2.213	17 / 0.663	52 / 2.046	31 / 1.209	- / -	31 / 1.209	- / -	- / -	- / -	- / -	- / -	154 / 6.131		
Group B:EQUIPMENT Group B (Reserve)	23 / 0.979	8 / 0.312	24 / 0.904	14 / 0.546	- / -	14 / 0.546	- / -	- / -	- / -	- / -	- / -	69 / 2.741		
<i>Subtotal: Recurring</i>	- / 5.148	- / 1.560	- / 4.758	- / 2.808	- / -	- / 2.808	- / -	- / -	- / -	- / -	- / -	- / 14.274		
<i>Subtotal: Group B</i>	- / 7.166	- / 1.560	- / 6.344	- / 3.744	- / -	- / 3.744	- / -	- / -	- / -	- / -	- / -	- / 18.814		
<i>Subtotal: Procurement, All Modification Items</i>	- / 7.166	- / 1.560	- / 6.344	- / 3.744	- / -	- / 3.744	- / -	- / -	- / -	- / -	- / -	- / 18.814		
Support (All Modification Items)														
GROUP B: TOTAL NONRECURRING	- / 3.842	- / -	- / -	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / -	- / 3.842		
GROUP A: TOTAL NONRECURRING	- / 0.000	- / -	- / -	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / -	- / 0.000		
Mod of Spares	- / -	- / -	- / 0.468	- / 0.273	- / -	- / 0.273	- / -	- / -	- / -	- / -	- / -	- / 0.741		
PSC - Other Gov't Costs	- / 3.543	- / -	- / -	- / 0.444	- / -	- / 0.444	- / 0.114	- / -	- / -	- / -	- / -	- / 4.101		
OTHER GOVT	- / 0.368	- / 0.018	- / 3.198	- / 0.909	- / -	- / 0.909	- / 0.096	- / -	- / -	- / -	- / -	- / 4.589		
SIM/TRAINER	- / 1.632	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.632		
<i>Subtotal: Support</i>	- / 9.385	- / 0.018	- / 3.666	- / 1.626	- / -	- / 1.626	- / 0.210	- / 0.000	- / 0.000	- / -	- / -	- / 14.905		
Installation														
<i>Modification Item 1 of 1:</i> Group B	36 / 1.056	6 / 0.084	116 / 1.989	112 / 1.899	- / -	112 / 1.899	89 / 1.386	- / -	- / -	- / -	- / -	359 / 6.414		
<i>Subtotal: Installation</i>	36 / 1.056	6 / 0.084	116 / 1.989	112 / 1.899	- / -	112 / 1.899	89 / 1.386	- / -	- / -	- / -	- / -	359 / 6.414		
Total														
Total Cost (Procurement + Support + Installation)	17.607	1.662	11.999	7.269	0.000	7.269	1.596	0.000	0.000	-	-	40.133		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9827 / KC-135 AERO-I SATCOM replacement

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

Modification Item 1 of 1: Group B

Manufacturer Information

Manufacturer Name: Collins Aerospace	Manufacturer Location: Midwest City, OK
Administrative Leadtime (in Months): 11	Production Leadtime (in Months): 2

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Oct 2022	Oct 2023	Oct 2024				
Delivery Dates	Dec 2022	Dec 2023	Dec 2024				

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	36 / 1.056	6 / 0.084	83 / 1.426	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	125 / 2.566
FY 2022	- / -	- / -	33 / 0.563	7 / 0.113	- / -	7 / 0.113	- / -	- / -	- / -	- / -	- / -	40 / 0.676
FY 2023	- / -	- / -	- / -	105 / 1.786	- / -	105 / 1.786	17 / 0.258	- / -	- / -	- / -	- / -	122 / 2.044
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	72 / 1.128	- / -	- / -	- / -	- / -	72 / 1.128
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	36 / 1.056	6 / 0.084	116 / 1.989	112 / 1.899	- / -	112 / 1.899	89 / 1.386	- / -	- / -	- / -	- / -	359 / 6.414

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	36	2	2	1	1	29	29	29	29	28	28	28	28	23	23	23	20	-	-	-	-	-	-	-	-	-	-	-	-	0	359
Out	36	2	2	1	1	29	29	29	29	28	28	28	28	23	23	23	20	-	-	-	-	-	-	-	-	-	-	-	-	0	359

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9828 / Real Time in the Cockpit (RTIC)

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	45.700	0.000	10.842	23.651	0.000	23.651	24.568	19.569	1.000	-	-	125.330
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	45.700	0.000	10.842	23.651	0.000	23.651	24.568	19.569	1.000	-	-	125.330
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	45.700	0.000	10.842	23.651	0.000	23.651	24.568	19.569	1.000	-	-	125.330

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

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

Description:

Description: Real Time in the Cockpit (RTIC) program provides data connectivity enabling the KC-135 to interoperate with global and theater operations, intelligence, and Tactical Data Networks (TDNs) to provide the aircrew the battlespace awareness needed to reduce impacts of enemy threats and increase KC-135 combat support effectiveness, mission safety, and enhanced situational awareness (SA).

Requirement: Air Mobility Command (AMC) Capabilities Description Document (CDD) for Mobility Air Forces Data Link Integration dated 26 February 2009.

Scope: 100 AD KC-135; 226 ARC KC-135 (NGREA funded)

Recent Milestones: MS-C Decision 31 Mar 22; CFT Full Rate Installs Began 15 Aug 22

FY23 Funding and Milestones: \$10.842M; complete 34 kit installs and procure 10 A/B Kits (lead time 18-24 months)

FY24 Funding and Milestones: \$23.651M; complete 26 kit installs and procure 29 A/B Kits (lead time 18-24 months)

FY25-26 Mod of Spares upgrades the ARC-210 Gen 5 to ARC-210 Gen 6 due to NSA crypto mandate.

Milestone/Development Status

Program is for Active Duty only. Integration, test and initial production was funded with NGREA.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.000	10.842	23.651	-	23.651	24.568	19.569	1.000	-
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.000	10.842	23.651	0.000	23.651	24.568	19.569	1.000	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: C13500 / C-135					Modification Number / Title: 9828 / Real Time in the Cockpit (RTIC)		
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:					
Models of Systems Affected: KC-135				Modification Type: Capability Improvement				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 2: A Kit												
A Kits												
Recurring												
A Kit:INSTALL KITS Group A (Active)	57 / 7.700	- / -	10 / 1.767	29 / 5.125	- / -	29 / 5.125	4 / 0.707	- / -	- / -	- / -	- / -	100 / 15.299
<i>Subtotal: Recurring</i>	- / 7.700	- / -	- / 1.767	- / 5.125	- / -	- / 5.125	- / 0.707	- / -	- / -	- / -	- / -	- / 15.299
<i>Subtotal: A Kit</i>	- / 7.700	- / -	- / 1.767	- / 5.125	- / -	- / 5.125	- / 0.707	- / -	- / -	- / -	- / -	- / 15.299
Modification Item 2 of 2: B Kit												
B Kits												
Recurring												
B Kit:EQUIPMENT Group B (Active)	57 / 23.486	- / -	10 / 5.337	29 / 15.476	- / -	29 / 15.476	4 / 2.135	- / -	- / -	- / -	- / -	100 / 46.434
B Kit:EQUIPMENT Group B (Guard)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000
B Kit:EQUIPMENT Group B (Reserve)	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000
<i>Subtotal: Recurring</i>	- / 23.486	- / -	- / 5.337	- / 15.476	- / -	- / 15.476	- / 2.135	- / -	- / -	- / -	- / -	- / 46.434
<i>Subtotal: B Kit</i>	- / 23.486	- / -	- / 5.337	- / 15.476	- / -	- / 15.476	- / 2.135	- / -	- / -	- / -	- / -	- / 46.434
<i>Subtotal: Procurement, All Modification Items</i>	- / 31.186	- / -	- / 7.104	- / 20.601	- / -	- / 20.601	- / 2.842	- / -	- / -	- / -	- / -	- / 61.733
Support (All Modification Items)												
PSC - Other Gov't Costs	- / 1.955	- / -	- / 0.500	- / 1.446	- / -	- / 1.446	- / 1.746	- / 1.445	- / 0.087	- / -	- / -	- / 17.179
SIM/TRAINER	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.190	- / 9.750	- / -	- / -	- / -	- / 16.940
SUPPORT-EQUIP	- / 6.549	- / -	- / -	- / -	- / -	- / -	- / 1.750	- / -	- / -	- / -	- / -	- / 8.299
OTHER GOVT	- / 3.020	- / -	- / 0.378	- / 0.954	- / -	- / 0.954	- / 0.638	- / 0.719	- / 0.913	- / -	- / -	- / 6.622
Mod of Spares	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.517	- / 17.395	- / -	- / -	- / -	- / 15.912
<i>Subtotal: Support</i>	- / 11.524	- / -	- / 0.878	- / 2.400	- / -	- / 2.400	- / 19.841	- / 19.309	- / 1.000	- / -	- / -	- / 54.952
Installation												
Modification Item 2 of 2: B Kit	0 / 2.990	7 / 0.000	34 / 2.860	26 / 0.650	- / -	26 / 0.650	29 / 1.885	4 / 0.260	- / -	- / -	- / -	100 / 8.645
<i>Subtotal: Installation</i>	- / 2.990	7 / -	34 / 2.860	26 / 0.650	- / -	26 / 0.650	29 / 1.885	4 / 0.260	- / -	- / -	- / -	100 / 8.645
Total												
Total Cost (Procurement + Support + Installation)	45.700	0.000	10.842	23.651	0.000	23.651	24.568	19.569	1.000	-	-	125.330

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: C13500 / C-135			Modification Number / Title: 9828 / Real Time in the Cockpit (RTIC)	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 1 of 2: A Kit							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9828 / Real Time in the Cockpit (RTIC)
---	--	---

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

Modification Item 2 of 2: B Kit

Manufacturer Information

Manufacturer Name: NSN Items Manufacturer Location: Unk

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 17

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Dec 2022	Dec 2023	Dec 2024			
Delivery Dates		May 2024	May 2025	May 2026			

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 2.990	7 / 0.000	34 / 2.860	16 / 0.000	- / -	16 / 0.000	- / -	- / -	- / -	- / -	- / -	57 / 5.850
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	10 / 0.650	- / -	10 / 0.650	- / -	- / -	- / -	- / -	- / -	10 / 0.650
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	29 / 1.885	- / -	- / -	- / -	- / -	29 / 1.885
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.260	- / -	- / -	- / -	4 / 0.260
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 2.990	7 / 0.000	34 / 2.860	26 / 0.650	- / -	26 / 0.650	29 / 1.885	4 / 0.260	- / -	- / -	- / -	100 / 8.645

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	-	-	1	6	9	8	9	8	8	8	8	2	9	9	9	2	4	-	-	-	-	-	-	-	-	-	-	-	-	0	100
Out	0	-	-	1	6	9	8	9	8	8	8	8	2	9	9	9	2	4	-	-	-	-	-	-	-	-	-	-	-	-	0	100

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9829 / MUOS Radios

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	19.852	33.386	0.000	33.386	44.474	21.332	0.720	0.000	-	119.764
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	19.852	33.386	0.000	33.386	44.474	21.332	0.720	0.000	-	119.764
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	19.852	33.386	0.000	33.386	44.474	21.332	0.720	0.000	-	119.764

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	5.014	-	-	-	5.014
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Mobile User Objective System (MUOS) capable radios will be installed on Block 45 aircraft in the COMM 3 position with BLOS Integrated Waveform (IW) and LOS SATURN capability with HAVE QUICK II backward compatibility. The KC-135 fleet must comply with the NSA cryptographic modernization mandate, and the ARC-210 Gen 3 radios have Diminishing Manufacturing Sources and Material Shortages (DMSMS) which become obsolete on the CEASEKEY date. If requirements are not met, KC-135 fleet loses secure communications which degrades the ability to support worldwide operations as KC-135 are critical for operational, nuclear, and command and control aircraft to fly missions.

Requirement: AMC's AF 1067s 10-050 Crypto, 15-046 MUOS, 16-053 SATURN, and 17-039 IW radio and derive from NSA cryptographic modernization mandates and DoD MUOS/SATURN transition directive.

Scope: Two installations during EMD for testing and 313 KC-135 Aircraft during production in FY 2024-FY 2027.

FY23 Funding and Milestones: \$19.852M; 75 B-Kits (lead time 18-24 months), 16 Spares, and other government cost.

FY24 Funding and Milestones: \$33.386M; 115 B-Kits (lead time 18-24 months), 75 A-kits, and installations cost.

The ARC-210 Gen 6 radio is a fielded system managed by PMA-209 for DoD-wide ARC-210 Gen 6 production contracts.

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

Milestone/Development Status

Continue integration efforts (EMD Phase)

FY23/24 Major Milestones/Events: CDR 3QFY23, DT/OT 3QFY24, and MS C 4QFY24

Executing long-lead procurement of ARC-210 Gen 6 radios with PMA 209 in FY23 - deliveries begin 4QFY24

Milestone Decision Authority (MDA) approved long-lead procurement of ARC-210 Gen 6 radios ahead of MS C in Delta ASP.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9829 / MUOS Radios
---	--	---

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

	Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	10.590	14.906	-	14.906	23.604	15.419	0.720	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	6.443	12.690	-	12.690	14.552	4.178	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	2.819	5.790	-	5.790	6.318	1.735	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	19.852	33.386	0.000	33.386	44.474	21.332	0.720	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: C13500 / C-135					Modification Number / Title: 9829 / MUOS Radios			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: KC-135				Modification Type: Capability Improvement				Related RDT&E PEs: 0401218F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0401218F	- / -	- / -	2 / 5.590	- / 5.030	- / -	- / 5.030	- / -	- / -	- / -	- / -	- / -	2 / 10.620	
Procurement													
Modification Item 1 of 2: COMMON: Group A Kit													
A Kits													
Recurring													
COMMON: Group A Kit:INSTALL KITS Group A (Active)	- / -	- / -	- / -	29 / 0.783	- / -	29 / 0.783	44 / 1.187	47 / 1.269	- / -	- / -	- / -	120 / 3.239	
COMMON: Group A Kit:INSTALL KITS Group A (Guard)	- / -	- / -	- / -	32 / 0.864	- / -	32 / 0.864	49 / 1.323	53 / 1.430	- / -	- / -	- / -	134 / 3.617	
COMMON: Group A Kit:INSTALL KITS Group A (Reserve)	- / -	- / -	- / -	14 / 0.378	- / -	14 / 0.378	22 / 0.594	23 / 0.621	- / -	- / -	- / -	59 / 1.593	
Subtotal: Recurring	- / -	- / -	- / -	- / 2.025	- / -	- / 2.025	- / 3.104	- / 3.320	- / -	- / -	- / -	- / 8.449	
Subtotal: COMMON: Group A Kit	- / -	- / -	- / -	- / 2.025	- / -	- / 2.025	- / 3.104	- / 3.320	- / -	- / -	- / -	- / 8.449	
Modification Item 2 of 2: Group B Kit													
B Kits													
Recurring													
Group B Kit:EQUIPMENT Group B (Active)	- / -	- / -	29 / 5.839	44 / 8.859	- / -	44 / 8.859	47 / 9.463	- / -	- / -	- / -	- / -	120 / 24.161	
Group B Kit:EQUIPMENT Group B (Guard)	- / -	- / -	32 / 6.443	49 / 9.866	- / -	49 / 9.866	53 / 10.671	- / -	- / -	- / -	- / -	134 / 26.980	
Group B Kit:EQUIPMENT Group B (Reserve)	- / -	- / -	14 / 2.819	22 / 4.429	- / -	22 / 4.429	23 / 4.632	- / -	- / -	- / -	- / -	59 / 11.880	
Subtotal: Recurring	- / -	- / -	- / 15.101	- / 23.154	- / -	- / 23.154	- / 24.766	- / -	- / -	- / -	- / -	- / 63.021	
Subtotal: Group B Kit	- / -	- / -	- / 15.101	- / 23.154	- / -	- / 23.154	- / 24.766	- / -	- / -	- / -	- / -	- / 63.021	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / 15.101	- / 25.179	- / -	- / 25.179	- / 27.870	- / 3.320	- / -	- / -	- / -	- / 71.470	
Support (All Modification Items)													
SIM/TRAINER	- / -	- / -	- / -	- / 1.144	- / -	- / 1.144	- / 7.178	- / 6.715	- / -	- / -	- / -	- / 15.037	
OTHER GOVT	- / -	- / -	- / 2.738	- / 10.352	- / -	- / 10.352	- / 10.483	- / 2.238	- / 0.597	- / -	- / -	- / 16.408	
PSC - Other Gov't Costs	- / -	- / -	- / -	- / 1.971	- / -	- / 1.971	- / 3.006	- / 1.575	- / 0.123	- / -	- / -	- / 6.675	
Mod of Spares	- / -	- / -	- / 2.013	- / -	- / -	- / -	- / -	- / 1.208	- / -	- / -	- / -	- / 3.221	
Subtotal: Support	- / -	- / -	- / 4.751	- / 3.467	- / -	- / 3.467	- / 10.667	- / 11.736	- / 0.720	- / -	- / -	- / 31.341	
Installation													
Modification Item 2 of 2: Group B Kit	- / -	- / -	- / -	75 / 4.740	- / -	75 / 4.740	115 / 5.937	123 / 6.276	- / -	- / -	- / -	313 / 16.953	
Subtotal: Installation	- / -	- / -	- / -	75 / 4.740	- / -	75 / 4.740	115 / 5.937	123 / 6.276	- / -	- / -	- / -	313 / 16.953	
Total													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9829 / MUOS Radios
---	--	---

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

Models of Systems Affected: KC-135 **Modification Type:** Capability Improvement **Related RDT&E PEs:** 0401218F

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Total Cost (Procurement + Support + Installation)	-	-	19.852	33.386	0.000	33.386	44.474	21.332	0.720	0.000	-	119.764

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: C13500 / C-135			Modification Number / Title: 9829 / MUOS Radios	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 2: COMMON: Group A Kit							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9829 / MUOS Radios
---	--	---

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

Modification Item 2 of 2: Group B Kit

Manufacturer Information

Manufacturer Name: Collins Aerospace Manufacturer Location: Cedar Rapids, IA

Administrative Leadtime (in Months): 5 Production Leadtime (in Months): 18

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Mar 2023	Mar 2024	Mar 2025			
Delivery Dates		Sep 2024	Sep 2025	Sep 2026			

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	75 / 4.740	- / -	75 / 4.740	- / -	- / -	- / -	- / -	- / -	75 / 4.740
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	115 / 5.937	- / -	- / -	- / -	- / -	115 / 5.937
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	123 / 6.276	- / -	- / -	- / -	123 / 6.276
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	75 / 4.740	- / -	75 / 4.740	115 / 5.937	123 / 6.276	- / -	- / -	- / -	313 / 16.953

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	75	29	28	29	29	31	31	31	30	-	-	-	-	-	-	-	-	0	313
Out	0	-	-	-	-	-	-	-	-	-	-	-	75	29	28	29	29	31	31	31	30	-	-	-	-	-	-	-	-	0	313

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9831 / COMM2 Crypto and Data

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	5.342	29.648	0.000	29.648	36.922	22.381	1.169	0.000	-	95.462
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	5.342	29.648	0.000	29.648	36.922	22.381	1.169	0.000	-	95.462
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	5.342	29.648	0.000	29.648	36.922	22.381	1.169	0.000	-	95.462

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

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

Description:

Replaces legacy ARC-210 Gen 3 in the COMM 2 position with modernized cryptographic Line-of-Sight secure voice and SATURN capability with HAVE QUICK II backward compatibility through 2040. This modification also replaces VHF Datalink (VDL)-2000 with VDL solution that modernizes COMM 2 civil data links. ARC-210 Gen 3 radios on KC-135 will be obsolete on the CEASEKEY date. If requirements are not met, KC-135 aircraft risk ineffective communications via unsecure voice, lose data communications and anti-jam capabilities, and realize limited maintenance capabilities to support legacy radios. This will significantly degrade the ability to support worldwide operations.

Requirement: AF Form 1067 for 10-050 Crypto, 16-053 SATURN, 22-033 COMM2 with VDL Solution, 20-048 CPDLC Upgrade.

Scope: Two installations during EMD for testing and 313 KC-135 aircraft during production, FY2024 - FY2027

FY 2023 Funding and Milestones: \$5.342M - procurement of 31 ARC-210 Gen 6 radios (lead time 18-24 months)

FY 2024 Funding and Milestones: \$29.648M - procurement of 31 A kits, 126 ARC-210 Gen 6 radios (lead time 18-24 months), SIM modification and 31 CFT install.

Milestone/Development Status

Developmental Test & Evaluation (DT&E): Projected May 2024

Initial Operational Test & Evaluation (IOT&E): N/A

Operational Test & Evaluation (OT&E): Projected Jun 2024

Technical Data Package (TDP): Projected May 2024

Milestone Decision Authority (MDA) approved long-lead procurement of ARC-210 Gen 6 radios ahead of MS C in Delta ASP.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	2.378	16.399	-	16.399	18.072	17.579	1.169	-
AFNG	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9831 / COMM2 Crypto and Data
---	--	---

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

	Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
	Total Obligation Authority	-	2.184	9.179	-	9.179	13.011	3.317	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.780	4.070	-	4.070	5.839	1.485	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	5.342	29.648	0.000	29.648	36.922	22.381	1.169	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: C13500 / C-135					Modification Number / Title: 9831 / COMM2 Crypto and Data			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: KC-135				Modification Type: Capability Improvement				Related RDT&E PEs: 0401218F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0401218F	- / -	- / -	2 / 4.758	- / 9.211	- / -	- / 9.211	- / -	- / -	- / -	- / -	- / -	2 / 13.969	
Procurement													
Modification Item 1 of 2: COMMON: Group A													
A Kits													
Recurring													
COMMON: Group A:INSTALL KITS Group A (Active)	- / -	- / -	- / -	12 / 0.270	- / -	12 / 0.270	49 / 1.102	59 / 1.327	- / -	- / -	- / -	120 / 2.699	
COMMON: Group A:INSTALL KITS Group A (Guard)	- / -	- / -	- / -	14 / 0.315	- / -	14 / 0.315	53 / 1.193	67 / 1.508	- / -	- / -	- / -	134 / 3.016	
COMMON: Group A:INSTALL KITS Group A (Reserve)	- / -	- / -	- / -	5 / 0.113	- / -	5 / 0.113	24 / 0.540	30 / 0.675	- / -	- / -	- / -	59 / 1.328	
Subtotal: Recurring	- / -	- / -	- / -	- / 0.698	- / -	- / 0.698	- / 2.835	- / 3.510	- / -	- / -	- / -	- / 7.043	
Subtotal: COMMON: Group A	- / -	- / -	- / -	- / 0.698	- / -	- / 0.698	- / 2.835	- / 3.510	- / -	- / -	- / -	- / 7.043	
Modification Item 2 of 2: Group B (2)													
B Kits													
Recurring													
Group B:EQUIPMENT Group B (Active)	- / -	- / -	12 / 1.872	49 / 7.644	- / -	49 / 7.644	59 / 9.204	- / -	- / -	- / -	- / -	120 / 18.720	
Group B:EQUIPMENT Group B (Guard)	- / -	- / -	14 / 2.184	53 / 8.268	- / -	53 / 8.268	67 / 10.452	- / -	- / -	- / -	- / -	134 / 20.904	
Group B:EQUIPMENT Group B (Reserve)	- / -	- / -	5 / 0.780	24 / 3.744	- / -	24 / 3.744	30 / 4.680	- / -	- / -	- / -	- / -	59 / 9.204	
Subtotal: Recurring	- / -	- / -	- / 4.836	- / 19.656	- / -	- / 19.656	- / 24.336	- / -	- / -	- / -	- / -	- / 48.828	
Subtotal: Group B (2)	- / -	- / -	- / 4.836	- / 19.656	- / -	- / 19.656	- / 24.336	- / -	- / -	- / -	- / -	- / 48.828	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / 4.836	- / 20.354	- / -	- / 20.354	- / 27.171	- / 3.510	- / -	- / -	- / -	- / 55.871	
Support (All Modification Items)													
SUPPORT-EQUIP	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.618	- / -	- / -	- / -	- / 5.618	
PSC - Other Gov't Costs	- / -	- / -	- / -	- / 11.553	- / -	- / 11.553	- / 12.375	- / 1.860	- / 0.272	- / -	- / -	- / 16.060	
OTHER GOVT	- / -	- / -	- / 10.506	- / 11.521	- / -	- / 11.521	- / 1.378	- / 2.601	- / 0.897	- / -	- / -	- / 16.903	
SIM/TRAINER	- / -	- / -	- / -	- / 14.900	- / -	- / 14.900	- / 2.750	- / 14.580	- / -	- / -	- / -	- / 12.230	
Subtotal: Support	- / -	- / -	- / 10.506	- / 17.974	- / -	- / 17.974	- / 6.503	- / 14.659	- / 1.169	- / -	- / -	- / 30.811	
Installation													
Modification Item 2 of 2: Group B (2)	- / -	- / -	- / -	31 / 1.320	- / -	31 / 1.320	126 / 3.248	156 / 4.212	- / -	- / -	- / -	313 / 8.780	
Subtotal: Installation	- / -	- / -	- / -	31 / 1.320	- / -	31 / 1.320	126 / 3.248	156 / 4.212	- / -	- / -	- / -	313 / 8.780	
Total													
Total Cost (Procurement + Support + Installation)	-	-	5.342	29.648	0.000	29.648	36.922	22.381	1.169	0.000	-	95.462	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: C13500 / C-135			Modification Number / Title: 9831 / COMM2 Crypto and Data	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 2: COMMON: Group A							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: C13500 / C-135	Modification Number / Title: 9831 / COMM2 Crypto and Data
---	--	---

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

Modification Item 2 of 2: Group B (2)

Manufacturer Information

Manufacturer Name: Collins Aerospace	Manufacturer Location: Cedar Rapids, IA
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 18

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Mar 2023	Mar 2024	Mar 2025			
Delivery Dates		Sep 2024	Sep 2025	Sep 2026			

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	31 / 1.320	- / -	31 / 1.320	- / -	- / -	- / -	- / -	- / -	31 / 1.320
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	126 / 3.248	- / -	- / -	- / -	- / -	126 / 3.248
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	156 / 4.212	- / -	- / -	- / -	156 / 4.212
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	31 / 1.320	- / -	31 / 1.320	126 / 3.248	156 / 4.212	- / -	- / -	- / -	313 / 8.780

Installation Schedule

PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	0	0	0	0	0	0	2	29	31	32	31	32	39	39	39	39	0	0	0	0	-	-	-	-	0	313
Out	0	-	-	-	0	0	0	0	0	0	2	29	31	32	31	32	39	39	39	39	0	0	0	0	-	-	-	-	0	313

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: CALL00 / Compass Call
---	---

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0207253F
--	---	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	792.595	195.098	327.330	144.686	-	144.686	94.480	102.262	194.909	198.965	47.790	2,098.115
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	792.595	195.098	327.330	144.686	-	144.686	94.480	102.262	194.909	198.965	47.790	2,098.115
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	792.595	195.098	327.330	144.686	-	144.686	94.480	102.262	194.909	198.965	47.790	2,098.115

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

Initial Spares (<i>\$ in Millions</i>)	-	119.265	11.343	68.555	-	68.555	13.824	22.170	17.271	17.616	-	270.044
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 current ground and airborne threats. 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, integration engineering, certification and test on an EC-37B re-host platform in accordance with the Baseline upgrade schedule.

In FY2017, the Compass Call re-host program was initiated prompting transition of mission capabilities from the legacy EC-130H airframe to an EC-37B airframe. 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 Prime Mission Equipment (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. Due to the age of the EC-130H fleet (average is 49 years), re-hosting of the PME is crucial to ensuring the longevity of this critical capability. In an effort to put capability into the warfighter's hands as soon as possible, the EC-37B program pursues concurrent developmental and production activities.

Transitioning to the re-host effort, the program of record has procured six (6) new commercial derivative aircraft to date. As part of the FY23 Appropriations Act, Congress funded four (4) additional EC-37B aircraft bringing the fleet size of the EC-37B program to a total of ten (10). The first five (5) EC-37B aircraft, procured in FY2017-FY2020, will be delivered in the Baseline 3 (BL3) configuration. The remaining EC-37B aircraft, procured in FY2021 and FY2023, will be delivered in the Baseline 4 (BL4) configuration. The BL3 aircraft will be modified to the BL4 configuration starting in FY2026. The current Compass Call EC-37B program of record as of Q2 FY2023 includes the following resources: ten (10) EC-37B aircraft, two (2) Compass Call Mission Crew Simulator (CCMCS), and one (1) Weapon System Trainer (WST).

The BL3 aircraft are planned to be modified to the BL4 configuration with non-recurring engineering in FY2023, hardware buys in FY2024 and modification installs starting in FY2026. For better transparency and accountability, starting in FY2024 this effort is broken out into its own program, under line item CALL00 / Modification Number 1004 / COMPASS CALL Baseline Upgrades.

Due to rapidly changing threat environment and operational demand leveraging Compass Call capabilities, the acquisition program manager may redirect funding as necessary to meet current stated and emerging/evolving Combatant Commander requirements.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: CALL00 / Compass Call
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0207253F
Line Item MDAP/MAIS Code: N/A		
<p>EC-130H to EC-37B rehost procurement and installation of the BL3 and BL4 PME modification kits onto the ten (10) air vehicles are performed under line item CALL00 / Modification Number 1003 / COMPASS CALL Baseline Modifications. Procurement and installation of the BL3 to BL4 retrofit upgrade kits are performed under line item CALL00 / Modification Number 1004 / COMPASS CALL Baseline Upgrades.</p> <p>Procurement of the air vehicles for re-host was performed under the Aircraft Procurement, Air Force appropriation, Budget Activity 04, Budget Sub Activity 05 under P-1 line item CALL00 / COMPASS CALL. Modification of the EC-130H aircraft was historically performed under line item CALL00 / Modification Number 1001.</p> <p>Funding may be used to address obsolescence and Diminishing Manufacturing Sources (DMS) issues. Funding for this exhibit is contained in PE 0207253F. Compass Call modification efforts include, but are not limited to, activities associated with aircraft system integration, assembly, test and checkout; change management; engineering change orders; certification; non-developmental mission system upgrades; simulator and training system upgrades and modifications; external communications upgrades and modification; software integration and updates; systems engineering; test and evaluation; training; support equipment; obsolescence; Program Support Costs (PSC); aircraft PME retrofits; and baseline upgrades and enhancements.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

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

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207253F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	1001 / COMPASS CALL (Capability Improvement)				- / 47.666	- / -	- / -	- / -	- / -	- / -
P-3a	1003 / COMPASS CALL Baseline Modifications (Capability Improvement)		A		- / 744.929	- / 195.098	- / 317.060	- / 50.380	- / 0.000	- / 50.380
P-3a	1004 / COMPASS CALL Baseline Upgrade (Capability Improvement)		A		- / -	- / 0.000	- / 10.270	- / 94.306	- / 0.000	- / 94.306
P-40	Total Gross/Weapon System Cost				- / 792.595	- / 195.098	- / 327.330	- / 144.686	- / -	- / 144.686

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	1001 / COMPASS CALL (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 47.666
P-3a	1003 / COMPASS CALL Baseline Modifications (Capability Improvement)		A		- / 19.157	- / 11.200	- / 52.715	- / 0.000	- / 0.000	- / 1,390.539
P-3a	1004 / COMPASS CALL Baseline Upgrade (Capability Improvement)		A		- / 75.323	- / 91.062	- / 142.194	- / 198.965	- / 47.790	- / 659.910
P-40	Total Gross/Weapon System Cost				- / 94.480	- / 102.262	- / 194.909	- / 198.965	- / 47.790	- / 2,098.115

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

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

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

Justification:
In FY2024, funding associated with BL3 to BL4 retrofit upgrades was transferred from P-1 Line Item Number CALL00, Modification 1003 / COMPASS CALL Baseline Modifications to P-1 Line Item Number CALL00, Modification 1004 / COMPASS Call Baseline Upgrades to increase visibility of funding requirements.

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

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: CALL00 / Compass Call	Modification Number / Title: 1003 / COMPASS CALL Baseline Modifications

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	744.929	195.098	317.060	50.380	0.000	50.380	19.157	11.200	52.715	0.000	0.000	1,390.539
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	744.929	195.098	317.060	50.380	0.000	50.380	19.157	11.200	52.715	0.000	0.000	1,390.539
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	744.929	195.098	317.060	50.380	0.000	50.380	19.157	11.200	52.715	0.000	0.000	1,390.539

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

Initial Spares (<i>\$ in Millions</i>)	77.306	119.265	11.343	68.555	-	68.555	13.824	22.170	17.271	17.616	-	347.350
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. To ensure continued tactical effectiveness, Compass Call's Prime Mission Equipment (PME) must evolve to keep pace with emerging adversary developments in communications, radar, and sensor technology, as well as the use of rapidly advancing commercial communications technology. To meet this challenge, the Compass Call program employs an incremental Baseline upgrade acquisition strategy that puts capability into the warfighter's hands as soon as practical and ensures each iteration of the weapon system is effective against the highest priority threats. Capabilities inserted into each Baseline are planned according to warfighter inputs.

The EC-130H to EC-37B Re-host effort comprises aircraft procurement plus reuse of legacy EC-130H PME hardware upgraded to the latest baseline. Transitioning to the re-host effort, the program of record has procured six (6) new commercial derivative aircraft to date. As part of the FY23 Appropriations Act, Congress funded four (4) additional EC-37B aircraft, bringing the fleet size of the EC-37B program to a total of ten (10). The first five (5) EC-37B aircraft, procured in FY2017-FY2020, will be delivered with Baseline 3 (BL3) PME. The remaining EC-37B aircraft, procured in FY2021 and FY2023, will be delivered in the Baseline 4 (BL4) configuration.

In FY2024, funding associated with procurement and installation of the BL3 to BL4 retrofit upgrade kits was transferred to P-1 Line Item Number CALL00, Modification 1004 / COMPASS Call Baseline Upgrades to increase visibility of funding requirements.

Compass Call BL3 includes, but is not limited to, the repackaging and integration of legacy EC-130H capabilities into the smaller, more capable EC-37B airframe. The EC-37B provides better aircraft performance and supportability, as well as updates to the mission system while addressing diminishing manufacturing sources (DMS). Incremental low band has been added to the BL3 configuration. The BL4 upgrade builds upon a modular open systems approach established in prior baselines and includes, but is not limited to, System-Wide Open Reconfigurable Dynamic Architecture (SWORD-A) which improves mission system flexibility and enables rapid capability integration, new target-specific techniques, and an obsolescence technical refresh.

As a result of the FY23 Appropriations Act, the program received \$320.6M to be distributed between the Baseline Modifications Mod and the Baseline Upgrades Mod. This funding will procure 4 additional Group A & Group B kits, procure support equipment, and support retrofit engineering activities.

FY2024 Compass Call Re-host procurement efforts include integration and test activities, non-recurring integration engineering, integration engineering to support quick reaction capabilities (QRCs), support equipment, simulator modification activities, obsolescence resolution, implementation of BL3 and BL4 weapon system change management, and funding program support costs (PSC).

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: CALL00 / Compass Call	Modification Number / Title: 1003 / COMPASS CALL Baseline Modifications
ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:	
<p>Group A and Group B non-recurring integration engineering activities include those associated with generating/implementing change orders, PME integration and test, and engineering required to integrate the PME onto the aircraft. Group A is defined as the racks, harnesses, and consoles that house PME line replaceable units (LRUs), as well as the cabling that interfaces with the aircraft. Group B is composed of individual military usable LRUs and associated cabling that process the signal environment and generate electromagnetic attach signals in response.</p> <p>Support equipment activities include those associated with procuring aircraft and PME support equipment and upgrading existing PME and aircraft support equipment required for test and fielding.</p> <p>Simulator and trainer activities include implementing updates to the Compass Call Mission Crew Simulator (CCMCS) to align with PME baseline upgrades, implementing updates to the Weapon System Trainer (WST), updating training materials, and supporting training events. The BL1 CCMCS is being upgraded to the BL3 configuration, and the Mid-BL2 CCMCS will be upgraded to the BL4 configuration. To align the CCMCS with SWORD-A and ensure rapid deployment of capabilities into a training environment, CCMCS will keep pace with mission system development to address mission crew training proficiency requirements.</p> <p>Program Support Costs includes funding for advisory and assistance services (A&AS), consultants, system engineering support, travel, and other program administration requirements as needed. As the program continues to grow and concurrently manage two (2) EC-37B configurations, PSC is expected to increase annually.</p> <p>Due to rapidly changing threat environment and operational demand leveraging Compass Call capabilities, the acquisition program manager may redirect funding as necessary to meet current stated and emerging/evolving Combatant Commander requirements.</p> <p>Funding for this exhibit is contained in PE 0207253F.</p> <p>Milestone/Development Status</p> <p>The Compass Call weapon system is continuously improved using a rapid development and acquisition process supporting a Baseline upgrade strategy. User needs and technology opportunities are continuously reviewed. As a result of technology refresh initiatives, including incorporation of open architectures, "plug and play systems, software defined radios, and modular software development, Compass Call is implementing agile processes to support weapon system engineering, integration, and sustainment activities.</p>		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: CALL00 / Compass Call					Modification Number / Title: 1003 / COMPASS CALL Baseline Modifications			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: EC-37B				Modification Type: Capability Improvement				Related RDT&E PEs: 0207253F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: COMPASS CALL MODS</i>													
A Kits													
Recurring													
COMPASS CALL MODS:INSTALL KITS Group A (Active)	6 / 64.987	- / -	4 / 35.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 100.487	
<i>Subtotal: Recurring</i>	- / 64.987	- / -	- / 35.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 100.487	
B Kits													
Recurring													
COMPASS CALL MODS:EQUIPMENT Group B (Active)	6 / 238.061	- / -	4 / 149.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 387.261	
<i>Subtotal: Recurring</i>	- / 238.061	- / -	- / 149.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 387.261	
<i>Subtotal: COMPASS CALL MODS</i>	- / 303.048	- / -	- / 184.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 487.748	
<i>Subtotal: Procurement, All Modification Items</i>	- / 303.048	- / -	- / 184.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 487.748	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / 97.208	- / 26.021	- / 5.500	- / 5.220	- / -	- / 5.220	- / 2.000	- / 2.500	- / 11.757	- / -	- / -	- / 150.206	
GROUP B: TOTAL NONRECURRING	- / 186.395	- / 58.116	- / 0.250	- / 33.780	- / -	- / 33.780	- / 11.059	- / 5.100	- / 14.101	- / -	- / -	- / 308.801	
PSC - Other Gov't Costs	- / 7.515	- / 6.282	- / 6.530	- / 2.302	- / -	- / 2.302	- / 2.848	- / 2.457	- / 3.110	- / -	- / -	- / 31.044	
SUPPORT-EQUIP	- / 149.984	- / 27.546	- / 9.430	- / 8.488	- / -	- / 8.488	- / 2.613	- / 0.499	- / 3.758	- / -	- / -	- / 102.318	
SIM/TRAINER	1 / 35.193	1 / 50.174	- / 0.250	- / 0.590	- / -	- / 0.590	- / 0.637	- / 0.644	- / 19.989	- / -	- / -	2 / 107.477	
<i>Subtotal: Support</i>	1 / 376.295	1 / 168.139	- / 21.960	- / 50.380	- / -	- / 50.380	- / 19.157	- / 11.200	- / 52.715	- / -	- / -	2 / 699.846	
Installation													
<i>Modification Item 1 of 1: COMPASS CALL MODS</i>	5 / 65.586	1 / 26.959	4 / 110.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 202.945	
<i>Subtotal: Installation</i>	5 / 65.586	1 / 26.959	4 / 110.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 202.945	
Total													
Total Cost (Procurement + Support + Installation)	744.929	195.098	317.060	50.380	0.000	50.380	19.157	11.200	52.715	0.000	0.000	1,390.539	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: CALL00 / Compass Call	Modification Number / Title: 1003 / COMPASS CALL Baseline Modifications

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

Modification Item 1 of 1: COMPASS CALL MODS

Manufacturer Information

Manufacturer Name: L-3 Harris	Manufacturer Location: Waco, TX
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 9

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Dec 2022					
Delivery Dates		Sep 2023					

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	5 / 65.586	1 / 26.959	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 92.545
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	4 / 110.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 110.400
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	5 / 65.586	1 / 26.959	4 / 110.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 202.945

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	5	1	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	10
Out	0	-	-	-	-	-	-	-	3	-	1	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4	10

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: CALL00 / Compass Call	Modification Number / Title: 1004 / COMPASS CALL Baseline Upgrade

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	10.270	94.306	0.000	94.306	75.323	91.062	142.194	198.965	47.790	659.910
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	10.270	94.306	0.000	94.306	75.323	91.062	142.194	198.965	47.790	659.910
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	10.270	94.306	0.000	94.306	75.323	91.062	142.194	198.965	47.790	659.910

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

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

Description:

Compass Call is the Air Force's wide-area, standoff, Airborne Electromagnetic Attack (AEA) Command and Control Warfare/Information Operations (C2W/IO) weapon system. To ensure continued tactical effectiveness, Compass Call's Prime Mission Equipment (PME) must evolve to keep pace with emerging adversary developments in communications, radar, and sensor technology as well as use of rapidly advancing commercial communication technology. To meet this challenge, the Compass Call program employs an incremental Baseline upgrade acquisition strategy that puts capability into the warfighter's hands as soon as practical and ensures each iteration of the weapon system is effective against the highest priority threats. Capabilities inserted into each Baseline are planned according to warfighter inputs.

The EC-130H to EC-37B Re-host effort comprises aircraft procurement plus reuse of EC-130H PME hardware upgraded to the latest baseline. Transitioning to the re-host effort, the program of record has procured six (6) new commercial derivative aircraft to date. As part of the FY23 Appropriations Act, Congress funded four (4) additional EC-37B aircraft, bringing the fleet size of the EC-37B program to a total of ten (10). The first five (5) EC-37B aircraft, procured in FY2017-FY2020, will be delivered with Baseline 3 (BL3) PME. The remaining EC-37B aircraft, procured in FY2021 and FY2023, will be delivered in the Baseline 4 (BL4) configuration.

In FY2024, funding associated with the BL3 to BL4 retrofit upgrades was transferred from P-1 Line Item Number CALL00, Modification 1003 / COMPASS CALL Baseline Modifications to P-1 Line Item Number CALL00, Modification 1004 / COMPASS CALL Baseline Upgrades to increase visibility of funding requirements.

Compass Call BL3 includes, but is not limited to, the repackaging and integration of legacy EC-130H capabilities into the smaller, more capable EC-37B airframe. The EC-37B provides better aircraft performance and supportability, as well as updates to the mission system while addressing diminishing manufacturing sources (DMS). Incremental low band has been added to the BL3 configuration. The BL4 upgrade builds upon a modular open systems approach established in prior baselines and includes, but is not limited to, System-Wide Open Reconfigurable Dynamic Architecture (SWORD-A) which improves mission system flexibility and enables rapid capability integration, new target-specific techniques, and an obsolescence technical refresh.

The FY2023 to FY2024 increase is due to FY2024 PME conversion kit buys, as well as both Group A and Group B non-recurring modification engineering (NRE).

As a result of the FY23 Appropriations Act, the COMPASS CALL program received 320.6M to be distributed between the COMPASS CALL Baseline Modifications Mod and the COMPASS CALL Baseline Upgrades Mod. This funding will procure 4 additional Group A & Group B kits, procure support equipment, and support retrofit engineering activities.

FY2024 Compass Call Baseline Upgrade procurement efforts include Group A and Group B kit buys, BL3 to BL4 retrofit integration engineering, support equipment purchase, Weapon System Trainer procurement and modification, as well as funding for program support costs (PSC).

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: CALL00 / Compass Call	Modification Number / Title: 1004 / COMPASS CALL Baseline Upgrade
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Procurement activities associated with PME Group A and Group B Recurring Engineering include procurement of Group A and Group B line replaceable units (LRUs). Group A comprises the racks, harnesses, and consoles housing PME, as well as the cabling required to interface PME with the aircraft. Group B comprises individual military usable LRUs and associated cabling required to process the operational signal environment and generate electromagnetic attack signals in response.

Group A and Group B NRE activities include those associated with generating/implementing change orders, BL4 PME integration and test, and engineering required to integrate BL4 PME onto the aircraft.

Install activities include those associated with installing the Group A and Group B PME onto the aircraft and modifying the aircraft to a final BL4 EC-37B configuration. Install efforts are planned to begin in FY2026.

Support equipment activities include those associated with procuring aircraft and PME support equipment and upgrading existing support equipment required for test and fielding. Support equipment will be purchased under Modification 1003 / COMPASS CALL Baseline Modifications.

Simulator and trainer activities include implementing updates to the Compass Call Mission Crew Simulator (CCMCS) to align with PME baseline upgrades, implementing updates to the Weapon System Trainer (WST) training materials, and supporting training events. The BL1 CCMCS is being upgraded to the BL3 configuration, and the Mid-BL2 CCMCS will be upgraded to the BL4 configuration. To align the CCMCS with SWORD-A and ensure rapid deployment of capabilities into a training environment, CCMCS will keep pace with mission system development to address mission crew training proficiency requirements.

Program Support Costs (PSC) include funding for advisory and assistance services (A&AS) consultants, system engineering support, travel, and other program administration requirements as needed. As both Re-host and Baseline Upgrade programs continue to grow with two (2) EC-37B configurations, PSC is expected to increase annually. PSC is split between Modification 1003 / COMPASS CALL Baseline Modifications and Modification 1004 / COMPASS CALL Baseline Upgrades until Re-host Program completion.

Due to rapidly changing threat environment and operational demand leveraging Compass Call capabilities, the acquisition program manager may redirect funding as necessary to meet current stated and emerging/evolving Combatant Commander requirements.

Funding for this exhibit is contained in PE 0207253F.

Milestone/Development Status

The Compass Call weapon system is continuously improved using a rapid development and acquisition process supporting a spiral Baseline upgrade strategy. User needs and technology opportunities are continuously reviewed. As a result of technology refresh initiatives, including incorporation of open architectures, "plug and play systems, software defined radios, and modular software development, Compass Call is implementing agile processes to support weapon system engineering, integration, and sustainment activities.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: CALL00 / Compass Call					Modification Number / Title: 1004 / COMPASS CALL Baseline Upgrade			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: EC-37B				Modification Type: Capability Improvement				Related RDT&E PEs: 0207253F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: COMPASS CALL Baseline Upgrade</i>													
A Kits													
Recurring													
COMPASS CALL Baseline Upgrade:INSTALL KITS Group A (Active)	- / -	- / -	- / -	1 / 15.474	- / -	1 / 15.474	1 / 15.861	1 / 16.257	1 / 16.664	1 / 17.080	- / -	5 / 81.336	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 15.474	- / -	- / 15.474	- / 15.861	- / 16.257	- / 16.664	- / 17.080	- / -	- / 81.336	
B Kits													
Recurring													
COMPASS CALL Baseline Upgrade:EQUIPMENT Group B (Active)	- / -	- / -	- / -	1 / 30.175	- / -	1 / 30.175	1 / 30.929	1 / 31.703	1 / 32.495	1 / 33.308	- / -	5 / 158.610	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 30.175	- / -	- / 30.175	- / 30.929	- / 31.703	- / 32.495	- / 33.308	- / -	- / 158.610	
<i>Subtotal: COMPASS CALL Baseline Upgrade</i>	- / -	- / -	- / -	- / 45.649	- / -	- / 45.649	- / 46.790	- / 47.960	- / 49.159	- / 50.388	- / -	- / 239.946	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 45.649	- / -	- / 45.649	- / 46.790	- / 47.960	- / 49.159	- / 50.388	- / -	- / 239.946	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / 3.000	- / 12.810	- / -	- / 12.810	- / 5.544	- / 6.294	- / 11.847	- / 12.580	- / -	- / 52.075	
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / 17.270	- / 33.545	- / -	- / 33.545	- / 20.141	- / 14.212	- / 32.421	- / 48.205	- / -	- / 155.794	
PSC - Other Gov't Costs	- / -	- / -	- / -	- / 12.302	- / -	- / 12.302	- / 2.848	- / 2.457	- / 3.110	- / 5.034	- / -	- / 15.751	
SUPPORT-EQUIP	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.588	- / -	- / 6.588	
SIM/TRAINER	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 25.015	- / 55.010	- / -	- / 80.025	
<i>Subtotal: Support</i>	- / -	- / -	- / 10.270	- / 48.657	- / -	- / 48.657	- / 28.533	- / 22.963	- / 72.393	- / 127.417	- / -	- / 310.233	
Installation													
<i>Modification Item 1 of 1: COMPASS CALL Baseline Upgrade</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 20.139	1 / 20.642	1 / 21.160	2 / 47.790	5 / 109.731	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 20.139	1 / 20.642	1 / 21.160	2 / 47.790	5 / 109.731	
Total													
Total Cost (Procurement + Support + Installation)	-	0.000	10.270	94.306	0.000	94.306	75.323	91.062	142.194	198.965	47.790	659.910	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: CALL00 / Compass Call	Modification Number / Title: 1004 / COMPASS CALL Baseline Upgrade

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

Modification Item 1 of 1: COMPASS CALL Baseline Upgrade

Manufacturer Information

Manufacturer Name: L-3 Harris	Manufacturer Location: Waco, TX
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 24

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028
Delivery Dates			Jan 2026	Jan 2027	Jan 2028	Jan 2029	Jan 2030

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 20.139	- / -	- / -	- / -	1 / 20.139
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 20.642	- / -	- / -	1 / 20.642
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 21.160	- / -	1 / 21.160
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 23.312	1 / 23.312
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 24.478	1 / 24.478
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 20.139	1 / 20.642	1 / 21.160	2 / 47.790	5 / 109.731

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	1	-	2	5
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	3	5

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: CFIN00 / combat flight inspection - CFIN
---	--

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F
---	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1.588	0.000	0.000	0.446	-	0.446	0.000	0.000	0.000	0.000	-	2.034
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1.588	0.000	0.000	0.446	-	0.446	0.000	0.000	0.000	0.000	-	2.034
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1.588	0.000	0.000	0.446	-	0.446	0.000	0.000	0.000	0.000	-	2.034

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

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

Description:

This funding supports the unique military equipment on three Federal Aviation Administration (FAA) owned, Air Force operated, Canadair Challenger flight inspection aircraft to provide the DoD Combat Flight Inspection (CFIN) capability. CFIN is an Air Force combat capability to validate and certify airfield instrument approach and landing equipment, and associated instrument procedures, are safe and meet specifications before all-weather combat flight operations can begin. The CFIN capability is provided by three FAA Canadair Challenger aircraft modified with unique military equipment required for the CFIN mission, including secure anti-jam radios, military Identification Friend or Foe Mode IV and V transponders, and survivability equipment.

Low cost modifications are necessary to mitigate emerging issues regarding flight safety, reliability, and maintainability of the C-143 fleet.

Funding may be used to address Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues.

Funding for this exhibit is contained in PE 0401314F.

Justification:

This program, P-3A Mod 99999X, Low Cost Modifications, is a new start.

FY24: Funding is required for low cost mods.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: DARP01 / RC-135
---	---

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0305207F	Other Related Program Elements: 0305207F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,397.526	213.495	213.428	220.138	-	220.138	222.554	225.912	231.006	235.814	-	2,959.873
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,397.526	213.495	213.428	220.138	-	220.138	222.554	225.912	231.006	235.814	-	2,959.873
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,397.526	213.495	213.428	220.138	-	220.138	222.554	225.912	231.006	235.814	-	2,959.873

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

Initial Spares (<i>\$ in Millions</i>)	-	51.305	44.461	55.614	-	55.614	56.304	57.214	58.514	59.731	-	383.143
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The USAF's Manned Reconnaissance Systems program includes seventeen (17) RC-135V/W RIVET JOINT, three (3) RC-135S COBRA BALL and two (2) RC-135U COMBAT SENT mission aircraft performing Air Combat Command (ACC) operational missions. The RC-135V/W RIVET JOINT is the majority variant that drives the Baseline integration and modification upgrade strategy for the entire RC-135 fleet. Therefore, a significant amount of the modification budget is directly related to RIVET JOINT weapon system baseline strategy enhancements which subsequently transfer into the follow-on baseline strategy enhancements for the COBRA BALL and COMBAT SENT weapon systems.

RC-135 Viability Assessments in 2008, 2012, and 2019 reported that despite the fleet average airframe age (57 years) and accumulated flight hours (42,740) as of the end of FY 2018, the RC-135 should be able to continue to meet the user's needs by performing intended operations through at least 2050. Viability was assessed based on underlying analyses of reliability, maintainability, performance, corrosion, fatigue, architectural stability, safety and availability. The Viability Assessment also summarized that the RC-135 fleet has experienced significant improvements in reliability, maintainability and availability since FY 2001. The Program Manager attributes these improvements directly to the 645th Aeronautical Systems Group's (645 AESG) Baseline integration and spiral modification upgrade strategy and synergies gained with long-standing relationships with the RC-135 industry partners.

The RIVET JOINT Baseline integration efforts of Baselines 12 and 13 which started in early FY19, address the 2012 RC-135 Multi-Attribute Utility Assessment (MUA) that detailed operational effectiveness, cost and program analyses of the alternative weapon system configurations. The MUA determined that retaining and sustaining the RC-135V/W airframe offers the highest assessed weapons system utility (measured as a benefit of cost-to-risk ratio) over the 25-year assessment period.

Funding in FY24 through FY28 were increased due to changes in inflation rates.

Funding for this exhibit is contained in PE 0305207F.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
DARP01 / RC-135

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0305207F **Other Related Program Elements:** 0305207F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	4266 / CONSTANT PHOENIX (Capability Improvement)				- / 216.227	- / -	- / -	- / -	- / -	- / -
P-3a	2504 / COBRA BALL (Capability Improvement)		A		- / 47.272	- / 12.656	- / 13.314	- / 13.590	- / 0.000	- / 13.590
P-3a	4263 / RIVET JOINT (Capability Improvement)		A		- / 1,067.120	- / 190.648	- / 189.408	- / 195.636	- / 0.000	- / 195.636
P-3a	4265 / COMBAT SENT (Capability Improvement)		A		- / 66.907	- / 10.191	- / 10.706	- / 10.912	- / 0.000	- / 10.912
P-40	Total Gross/Weapon System Cost				- / 1,397.526	- / 213.495	- / 213.428	- / 220.138	- / -	- / 220.138

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	4266 / CONSTANT PHOENIX (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 216.227
P-3a	2504 / COBRA BALL (Capability Improvement)		A		- / 13.851	- / 14.039	- / 14.310	- / 14.596	- / -	- / 143.628
P-3a	4263 / RIVET JOINT (Capability Improvement)		A		- / 197.581	- / 200.600	- / 205.205	- / 209.497	- / -	- / 2,455.695
P-3a	4265 / COMBAT SENT (Capability Improvement)		A		- / 11.122	- / 11.273	- / 11.491	- / 11.721	- / -	- / 144.323
P-40	Total Gross/Weapon System Cost				- / 222.554	- / 225.912	- / 231.006	- / 235.814	- / -	- / 2,959.873

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

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

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

Justification:
FY24 procurement funding will concentrate on three major efforts: (1) complete the integration and testing of Baseline 14, (2) continue the conversion of Baseline 12 aircraft into Baseline 14 aircraft, conversion of RIVET JOINT Baseline 11 aircraft to Baseline 13 configuration, and (3) continue the autopilot upgrade. Ten RIVET JOINT aircraft are projected to receive the Baseline 13 configuration. During this same period, COMBAT SENT will continue the conversion of the Baseline 5 aircraft to Baseline 6, and the COBRA BALL complete the fielding of Baseline 7 and start integration and testing of Baseline 14. The COMBAT SENT and COBRA BALL baselines closely align with RIVET JOINT Baseline 12. Additionally, FY24 procurement will ensure integration and fielding updates to the RC-135 ground systems, which include RIVET JOINT Ground Data Processing Systems (GDPS), Distributed Mission Shelters (DMS), Mission Crew Training Systems (MCTS), Airborne Capabilities Extension System (ACES) and Operational Flight Trainers (OFT). The ground systems are upgraded to remain consistent with the fielded aircraft configurations to allow for training and qualification of the aircrew and maintenance personnel assigned, plus verification and certification of software builds that are continuously modified to address the dynamic mission requirements of these weapons systems. Due to higher USAF priorities, 13.842M of FY21 procurement funding was re-phased into FY22 and FY23 under RIVET JOINT.

Due to the changing threat and rapidly evolving near peer electromagnetic combat environment, the acquisition program manager has the authority to redirect funding as necessary to meet current and emerging Combatant Commander and/or Intelligence Community requirements to better meet the war fighting objectives.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: DARP01 / RC-135	Modification Number / Title: 2504 / COBRA BALL

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	47.272	12.656	13.314	13.590	0.000	13.590	13.851	14.039	14.310	14.596	-	143.628
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	47.272	12.656	13.314	13.590	0.000	13.590	13.851	14.039	14.310	14.596	-	143.628
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	47.272	12.656	13.314	13.590	0.000	13.590	13.851	14.039	14.310	14.596	-	143.628

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

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

Description:

FY24 procurement funding acquires and installs various upgrades and enhancement modifications for the three (3) RC-135S COBRA BALL aircraft performing Air Combat Command (ACC) directed operational missions. Due to the rapidly changing global threat environment, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Command (CCMD) and Intelligence Community (IC) requirements.

The Operational Requirements Document (ORD) addresses airframe, sensor, navigation, communications, data link, and processing requirements necessary to keep the RC-135 fleet viable through 2050. A Program Management Directive (PMD) provides direction to the 645th Aeronautical Systems Group (645 AESG) for the acquisition and sustainment of the weapons system, associated mission support equipment, and processing, exploitation and dissemination tools.

The RC-135S COBRA BALL program--Defense Airborne Reconnaissance Program (DARP)/Manned Reconnaissance Systems is managed in accordance with an incremental baseline upgrade acquisition strategy in order to maintain collection parity with evolving and emerging adversarial weapons systems utilized by state and non-state actors. The 645 AESG Baseline upgrade strategy requires purchase agreements for long-lead items that take approximately 10 to 12 months from contract award to delivery. Items required for integration in a given Baseline upgrade are contracted for purchase in the first year of the procurement funding cycle and are acquired and installed in the subsequent year. This acquisition strategy has been successful in maintaining critical combat capability in the Intelligence, Surveillance, and Reconnaissance (ISR) arena over the last 50 years.

FY24 procurement funding efforts will concentrate on the initiatives pertaining to completing the integration and fielding COBRA BALL Baseline 7 enhancements and the development and integration of Baseline 14. Baseline 14 subsystem upgrades consist of, but are not limited to: Foreign Instrumentation Signals Intelligence (FISINT) Direction Finding antenna, high-gain steerable-beam K-band collection antenna, and Digital Data Recording, Digital Search, enhanced signal identification and classification, Target Discrimination via SATCOM, and the integration of the RIVET JOINT Baseline 14 communications intelligence (COMINT) suite.

Funding in FY24 through FY28 were increased due to changes in inflation rates.

Funding for this exhibit contained in PE 0305207F.

Milestone/Development Status

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: DARP01 / RC-135	Modification Number / Title: 2504 / COBRA BALL
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:
<p>FY24 procurement funding is associated with the acquisition, integration, and fielding of Baseline 7 and acquisition, and integration of Baseline 14. Funding provides logistical support efforts for the Baseline 14 configuration upgrades and enhancements on the three (3) RC-135S COBRA BALL aircraft, their sensor systems, and associated ground support systems. These upgrades are attributed to the research and development efforts initiated in FY 2020 and FY 2022.</p>		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: DARP01 / RC-135					Modification Number / Title: 2504 / COBRA BALL			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: RC-135S, TC-135W			Modification Type: Capability Improvement				Related RDT&E PEs: 0305207F						
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Baseline Upgrade</i>													
A Kits													
Recurring													
Baseline Upgrade:INSTALL KITS Group A (Active)	6 / 10.848	1 / 3.190	1 / 3.359	1 / 3.431	- / -	1 / 3.431	1 / 3.497	1 / 3.544	1 / 3.613	1 / 3.685	- / -	13 / 35.167	
<i>Subtotal: Recurring</i>	- / 10.848	- / 3.190	- / 3.359	- / 3.431	- / -	- / 3.431	- / 3.497	- / 3.544	- / 3.613	- / 3.685	- / -	- / 35.167	
B Kits													
Recurring													
Baseline Upgrade:EQUIPMENT Group B (Active)	6 / 17.560	1 / 5.520	1 / 5.810	1 / 5.934	- / -	1 / 5.934	1 / 6.048	1 / 6.130	1 / 6.249	1 / 6.374	- / -	13 / 59.625	
<i>Subtotal: Recurring</i>	- / 17.560	- / 5.520	- / 5.810	- / 5.934	- / -	- / 5.934	- / 6.048	- / 6.130	- / 6.249	- / 6.374	- / -	- / 59.625	
<i>Subtotal: Baseline Upgrade</i>	- / 28.408	- / 8.710	- / 9.169	- / 9.365	- / -	- / 9.365	- / 9.545	- / 9.674	- / 9.862	- / 10.059	- / -	- / 94.792	
<i>Subtotal: Procurement, All Modification Items</i>	- / 28.408	- / 8.710	- / 9.169	- / 9.365	- / -	- / 9.365	- / 9.545	- / 9.674	- / 9.862	- / 10.059	- / -	- / 94.792	
Installation													
<i>Modification Item 1 of 1: Baseline Upgrade</i>													
	6 / 18.864	1 / 3.946	1 / 4.145	1 / 4.225	- / -	1 / 4.225	1 / 4.306	1 / 4.365	1 / 4.448	1 / 4.537	- / -	13 / 48.836	
<i>Subtotal: Installation</i>	6 / 18.864	1 / 3.946	1 / 4.145	1 / 4.225	- / -	1 / 4.225	1 / 4.306	1 / 4.365	1 / 4.448	1 / 4.537	- / -	13 / 48.836	
Total													
Total Cost (Procurement + Support + Installation)	47.272	12.656	13.314	13.590	0.000	13.590	13.851	14.039	14.310	14.596	-	143.628	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: DARP01 / RC-135	Modification Number / Title: 2504 / COBRA BALL
---	---	--

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

Modification Item 1 of 1: Baseline Upgrade

Manufacturer Information

Manufacturer Name: L-3Harris Technologies Manufacturer Location: Greenville, TX

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 6

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027
Delivery Dates	Jun 2022	Jun 2023	Jun 2024	Jun 2025	Jun 2026	Jun 2027	Jun 2028

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	6 / 18.864	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 18.864
FY 2022	- / -	1 / 3.946	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.946
FY 2023	- / -	- / -	1 / 4.145	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.145
FY 2024	- / -	- / -	- / -	1 / 4.225	- / -	1 / 4.225	- / -	- / -	- / -	- / -	- / -	1 / 4.225
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.306	- / -	- / -	- / -	- / -	1 / 4.306
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.365	- / -	- / -	- / -	1 / 4.365
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.448	- / -	- / -	1 / 4.448
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.537	- / -	1 / 4.537
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 18.864	1 / 3.946	1 / 4.145	1 / 4.225	- / -	1 / 4.225	1 / 4.306	1 / 4.365	1 / 4.448	1 / 4.537	- / -	13 / 48.836

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	6	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	0	13
Out	6	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	0	13

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: DARP01 / RC-135	Modification Number / Title: 4263 / RIVET JOINT

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,067.120	190.648	189.408	195.636	0.000	195.636	197.581	200.600	205.205	209.497	-	2,455.695
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,067.120	190.648	189.408	195.636	0.000	195.636	197.581	200.600	205.205	209.497	-	2,455.695
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,067.120	190.648	189.408	195.636	0.000	195.636	197.581	200.600	205.205	209.497	-	2,455.695

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

Initial Spares (<i>\$ in Millions</i>)	229.989	51.305	44.461	55.614	-	55.614	56.304	57.214	58.514	59.731	-	613.132
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY24 procurement funding acquires and installs various upgrade and enhancement modifications for the seventeen (17) RC-135V/W RIVET JOINT aircraft performing Air Combat Command (ACC) directed operational missions. The enhancements will focus on improving the RC-135's ability to compete and deter in the near-peer environment across the range of military operations. Due to the rapidly changing global threat environment, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Command (CCMD) and Intelligence Community (IC) requirements.

The Operational Requirements Document (ORD) addresses airframe, sensor, navigation, communications, data link, and processing requirements necessary to keep the RC-135 fleet viable through 2050. A Program Management Directive (PMD) provides direction to the 645th Aeronautical Systems Group (645 AESG) for the acquisition and sustainment of the weapons system, associated mission support equipment, and processing, exploitation and dissemination tools.

The RC-135V/W RIVET JOINT program -- Defense Airborne Reconnaissance Program (DARP)/Manned Reconnaissance Systems is managed in accordance with an incremental baseline upgrade acquisition strategy in order to maintain collection parity with an evolving threat environment. The 645 AESG's Baseline upgrade strategy requires purchase agreements for long lead items that take approximately 10 to 12 months from contract award to delivery. Items required for integration in a given Baseline upgrade are contracted and purchased in the first year of the procurement funding cycle and are acquired and installed in the next year. This acquisition strategy has been successful in maintaining critical combat capability in the Intelligence, Surveillance and Reconnaissance (ISR) arena over the last 50 years.

FY24 procurement funding will upgrade fielded RIVET JOINT Baseline 13 configured aircraft but will concentrate on fielding Baseline 14 aircraft RIVET JOINT BL-14 upgrades consist of, but are not limited to, providing a continuous recording capability, High Probability of Intercept (HPOI) Receiver, Corvus Digital Receiver (CDR), Communications, Navigation, and Surveillance - Air Traffic Management (CNS-ATM) avionics upgrades such as new autopilot, automated data system-broadcast (ADS-B) and Mode 5 identify friendly or foe (IFF) systems. RIVET JOINT BL-15 upgrades consist of, but are not limited to, scalable processor improvements, Wideband Agile Receiver and Pulse Detector (WARPD), Expanded Steered Beam capability, and augmented Remote Maintenance.

Funding in FY24 through FY28 were increased due to changes in inflation rates.

Funding for this exhibit contained in PE 0305207F.

Milestone/Development Status

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: DARP01 / RC-135	Modification Number / Title: 4263 / RIVET JOINT
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:
<p>FY24 procurement funding is associated with acquisition, integration, fielding and logistical support efforts for the Baseline 14 configuration upgrades/enhancements on the RC-135V/W RIVET JOINT aircraft, sensor systems, and associated ground support systems. These upgrades are attributed to the research and development efforts initiated in FY18 and FY19. These initiatives formed the basis for the RC-135V/W RIVET JOINT fleet modification strategy.</p>		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: DARP01 / RC-135					Modification Number / Title: 4263 / RIVET JOINT		
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:					
Models of Systems Affected: RC-135V, RC-135W, TC-135W				Modification Type: Capability Improvement				Related RDT&E PEs: 0305207F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1: Baseline Upgrade (2)</i>												
A Kits												
Recurring												
Baseline Upgrade:INSTALL KITS Group A (Active)	24 / 696.620	4 / 120.355	4 / 121.757	4 / 126.634	- / -	4 / 126.634	4 / 127.267	4 / 129.292	4 / 132.517	4 / 135.355	- / -	52 / 1,589.797
<i>Subtotal: Recurring</i>	- / 696.620	- / 120.355	- / 121.757	- / 126.634	- / -	- / 126.634	- / 127.267	- / 129.292	- / 132.517	- / 135.355	- / -	- / 1,589.797
B Kits												
Recurring												
Baseline Upgrade:EQUIPMENT Group B (Active)	24 / 77.260	4 / 13.743	4 / 14.439	4 / 14.760	- / -	4 / 14.760	4 / 15.042	4 / 15.245	4 / 15.540	4 / 15.851	- / -	52 / 181.880
<i>Subtotal: Recurring</i>	- / 77.260	- / 13.743	- / 14.439	- / 14.760	- / -	- / 14.760	- / 15.042	- / 15.245	- / 15.540	- / 15.851	- / -	- / 181.880
<i>Subtotal: Baseline Upgrade (2)</i>	- / 773.880	- / 134.098	- / 136.196	- / 141.394	- / -	- / 141.394	- / 142.309	- / 144.537	- / 148.057	- / 151.206	- / -	- / 1,771.677
<i>Subtotal: Procurement, All Modification Items</i>	- / 773.880	- / 134.098	- / 136.196	- / 141.394	- / -	- / 141.394	- / 142.309	- / 144.537	- / 148.057	- / 151.206	- / -	- / 1,771.677
Support (All Modification Items)												
PMA - Other Gov't Costs	- / 7.875	- / 1.468	- / 1.543	- / 1.570	- / -	- / 1.570	- / 1.603	- / 1.625	- / 1.656	- / 1.689	- / -	- / 19.029
<i>Subtotal: Support</i>	- / 7.875	- / 1.468	- / 1.543	- / 1.570	- / -	- / 1.570	- / 1.603	- / 1.625	- / 1.656	- / 1.689	- / -	- / 19.029
Installation												
<i>Modification Item 1 of 1: Baseline Upgrade (2)</i>	24 / 285.365	4 / 55.082	4 / 51.669	4 / 52.672	- / -	4 / 52.672	4 / 53.669	4 / 54.438	4 / 55.492	4 / 56.602	- / -	52 / 664.989
<i>Subtotal: Installation</i>	24 / 285.365	4 / 55.082	4 / 51.669	4 / 52.672	- / -	4 / 52.672	4 / 53.669	4 / 54.438	4 / 55.492	4 / 56.602	- / -	52 / 664.989
Total												
Total Cost (Procurement + Support + Installation)	1,067.120	190.648	189.408	195.636	0.000	195.636	197.581	200.600	205.205	209.497	-	2,455.695

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: DARP01 / RC-135	Modification Number / Title: 4263 / RIVET JOINT
---	---	---

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

Modification Item 1 of 1: Baseline Upgrade (2)

Manufacturer Information

Manufacturer Name: L3Harris Technologies Manufacturer Location: Greenville, TX

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 9

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027
Delivery Dates	Sep 2022	Sep 2023	Sep 2024	Sep 2025	Sep 2026	Sep 2027	Sep 2028

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	24 / 285.365	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 285.365
FY 2022	- / -	4 / 55.082	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 55.082
FY 2023	- / -	- / -	4 / 51.669	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 51.669
FY 2024	- / -	- / -	- / -	4 / 52.672	- / -	4 / 52.672	- / -	- / -	- / -	- / -	- / -	4 / 52.672
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	4 / 53.669	- / -	- / -	- / -	- / -	4 / 53.669
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 54.438	- / -	- / -	- / -	4 / 54.438
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 55.492	- / -	- / -	4 / 55.492
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 56.602	- / -	4 / 56.602
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	24 / 285.365	4 / 55.082	4 / 51.669	4 / 52.672	- / -	4 / 52.672	4 / 53.669	4 / 54.438	4 / 55.492	4 / 56.602	- / -	52 / 664.989

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	52
Out	24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	52

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: DARP01 / RC-135	Modification Number / Title: 4265 / COMBAT SENT

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	66.907	10.191	10.706	10.912	0.000	10.912	11.122	11.273	11.491	11.721	-	144.323
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	66.907	10.191	10.706	10.912	0.000	10.912	11.122	11.273	11.491	11.721	-	144.323
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	66.907	10.191	10.706	10.912	0.000	10.912	11.122	11.273	11.491	11.721	-	144.323

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

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

Description:

FY24 procurement funding acquires and installs various upgrade and enhancement modifications for the two (2) RC-135U COMBAT SENT aircraft performing Air Combat Command (ACC) directed operational missions. Due to the rapidly changing global threat environment and technological advances of our adversaries, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Command (CCMD) and Intelligence Community (IC) requirements.

The Operational Requirements Document (ORD) addresses airframe, sensor, navigation, communications, data link, and processing requirements necessary to keep the RC-135 fleet viable through 2050. A Program Management Directive (PMD) provides direction to the 645th Aeronautical Systems Group (645 AESG) for the acquisition and sustainment of the weapons system, associated mission support equipment, and processing, exploitation and dissemination tools.

The RC-135U COMBAT SENT program -- Defense Airborne Reconnaissance Program (DARP)/Manned Reconnaissance Systems) is managed in accordance with an incremental baseline upgrade acquisition strategy in order to maintain collection parity with the evolving threat environment. The 645 AESG's Baseline upgrade strategy requires purchase agreements for long-lead items that take approximately 12 months from contract award to delivery. Items required for integration in a given Baseline upgrade are contracted for purchase in the first year of the procurement funding cycle and are acquired and installed in the next year. This acquisition strategy has been successful in maintaining critical combat capability in the ISR arena over the last 50 years.

FY24 procurement funding efforts will concentrate on supporting the fielded COMBAT SENT Baseline 6 aircraft and completion of the COMBAT SENT Baseline 6 enhancements to the second aircraft respectively. Baseline 6 subsystem upgrades consist of, but are not limited to: Wideband collection, Scientific and Technical Processors, improved antennas, improved operator interface and reporting tools, sensor calibration/testing systems, integration of the RIVET JOINT Baseline 13 Communication Intelligence (COMINT) suite, and enhancing capabilities in dense signal environments. Initial BL 7 RF engineering and design efforts which begin in FY23 will continue in FY24. Program will initiate procurement on long lead BL7 requirements.

Funding in FY24 through FY28 were increased due to changes in inflation rates. Funding for this exhibit contained in PE 0305207F.

Milestone/Development Status

FY24 procurement funding is associated with the acquisition, integration, fielding and logistical support efforts for the Baseline 6 configuration upgrades/enhancements of the two (2) RC-135U COMBAT SENT aircraft, sensor systems, and associated ground support systems. These upgrades are attributed to the research and development efforts initiated in FY19 and FY20. These initiatives formed the basis for the RC-135U COMBAT SENT fleet modification strategy.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: DARP01 / RC-135					Modification Number / Title: 4265 / COMBAT SENT			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: RC-135U				Modification Type: Capability Improvement				Related RDT&E PEs: 0305207F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Baseline Upgrade (3)</i>													
A Kits													
Recurring													
Baseline Upgrade:INSTALL KITS Group A (Active)	6 / 25.830	1 / 2.156	1 / 2.265	1 / 2.309	- / -	1 / 2.309	1 / 2.353	1 / 2.385	1 / 2.431	1 / 2.480	- / -	13 / 42.209	
<i>Subtotal: Recurring</i>	- / 25.830	- / 2.156	- / 2.265	- / 2.309	- / -	- / 2.309	- / 2.353	- / 2.385	- / 2.431	- / 2.480	- / -	- / 42.209	
B Kits													
Recurring													
Baseline Upgrade:EQUIPMENT Group B (Active)	6 / 6.512	1 / 1.161	1 / 1.220	1 / 1.243	- / -	1 / 1.243	1 / 1.267	1 / 1.284	1 / 1.308	1 / 1.334	- / -	13 / 15.329	
<i>Subtotal: Recurring</i>	- / 6.512	- / 1.161	- / 1.220	- / 1.243	- / -	- / 1.243	- / 1.267	- / 1.284	- / 1.308	- / 1.334	- / -	- / 15.329	
<i>Subtotal: Baseline Upgrade (3)</i>	- / 32.342	- / 3.317	- / 3.485	- / 3.552	- / -	- / 3.552	- / 3.620	- / 3.669	- / 3.739	- / 3.814	- / -	- / 57.538	
<i>Subtotal: Procurement, All Modification Items</i>	- / 32.342	- / 3.317	- / 3.485	- / 3.552	- / -	- / 3.552	- / 3.620	- / 3.669	- / 3.739	- / 3.814	- / -	- / 57.538	
Installation													
<i>Modification Item 1 of 1: Baseline Upgrade (3)</i>													
	6 / 34.565	1 / 6.874	1 / 7.221	1 / 7.360	- / -	1 / 7.360	1 / 7.502	1 / 7.604	1 / 7.752	1 / 7.907	- / -	13 / 86.785	
<i>Subtotal: Installation</i>	6 / 34.565	1 / 6.874	1 / 7.221	1 / 7.360	- / -	1 / 7.360	1 / 7.502	1 / 7.604	1 / 7.752	1 / 7.907	- / -	13 / 86.785	
Total													
Total Cost (Procurement + Support + Installation)	66.907	10.191	10.706	10.912	0.000	10.912	11.122	11.273	11.491	11.721	-	144.323	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5						P-1 Line Item Number / Title: DARP01 / RC-135					Modification Number / Title: 4265 / COMBAT SENT																				
ID Code (A=Service Ready, B=Not Service Ready) : A											MDAP/MAIS Code:																				
Modification Item 1 of 1: Baseline Upgrade (3)																															
Manufacturer Information																															
Manufacturer Name: L3Harris Technologies											Manufacturer Location: Greenville, TX																				
Administrative Leadtime (in Months): 2											Production Leadtime (in Months): 6																				
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028																								
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027																								
Delivery Dates	Jun 2022	Jun 2023	Jun 2024	Jun 2025	Jun 2026	Jun 2027	Jun 2028																								
Installation Information																															
Method of Implementation: Contractor Facility																															
Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																
Prior Years	6 / 34.565	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 34.565																		
FY 2022	- / -	1 / 6.874	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 6.874																		
FY 2023	- / -	- / -	1 / 7.221	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 7.221																		
FY 2024	- / -	- / -	- / -	1 / 7.360	- / -	1 / 7.360	- / -	- / -	- / -	- / -	- / -	- / -	1 / 7.360																		
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	1 / 7.502	- / -	- / -	- / -	- / -	- / -	1 / 7.502																		
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 7.604	- / -	- / -	- / -	- / -	1 / 7.604																		
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 7.752	- / -	- / -	- / -	1 / 7.752																		
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 7.907	- / -	- / -	1 / 7.907																		
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total	6 / 34.565	1 / 6.874	1 / 7.221	1 / 7.360	- / -	1 / 7.360	1 / 7.502	1 / 7.604	1 / 7.752	1 / 7.907	- / -	- / -	13 / 86.785																		
Installation Schedule																															
	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	6	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	0	13
Out	6	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	0	13

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: E00300 / E-3
--	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207417F	Other Related Program Elements: 0207417F, 0809731F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,197.487	91.301	29.187	1.350	-	1.350	32.577	0.818	0.837	1.396	0.000	1,354.953
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	0.000	0.000
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,197.487	91.301	29.187	1.350	-	1.350	32.577	0.818	0.837	1.396	0.000	1,354.953
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	0.000	0.000
Total Obligation Authority (<i>\$ in Millions</i>)	1,197.487	91.301	29.187	1.350	-	1.350	32.577	0.818	0.837	1.396	0.000	1,354.953

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

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

Description:

The four-engine E-3 is a modified Boeing 707 airframe which carries airborne radar and provides all-altitude air surveillance, threat warning, and control of theater air forces. Totals include funding for Airborne Warning and Control System (AWACS) Upgrades. This line item funds modifications and may be used to address Diminishing Manufacturing Sources (DMS) issues for the overall E-3 weapon system to include aircraft, simulators, and training devices.

Life of Type (LoT) buy to procure parts for retrofit of Production jets.

Beginning in FY23, funding is decreased to align with reduced E-3 modification efforts due to the planned transition to the E-3 replacement.

Note: FY22 Funding is incorrect due to database error. Due to database error rescissions of \$30M is not reflected in FY22. FY22 funding should equal \$61.301M

Justification:

Funding will continue to provide enhancements to E-3G sensors, Communication/Networking, Mission Computing, and Platform to maintain viable Battle Management Command and Control (BMC2) capability as long as needed and continues to address DMS and mandates.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: E00400 / E-4
---	--

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0302015F	Other Related Program Elements: 0302015F
---	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	93.750	19.081	5.973	13.055	-	13.055	32.962	36.767	44.408	45.334	0.000	291.330
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	93.750	19.081	5.973	13.055	-	13.055	32.962	36.767	44.408	45.334	0.000	291.330
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	93.750	19.081	5.973	13.055	-	13.055	32.962	36.767	44.408	45.334	0.000	291.330

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

Initial Spares (<i>\$ in Millions</i>)	-	0.339	5.000	0.363	-	0.363	0.369	0.375	0.383	0.391	-	7.220
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds modifications to the four (4) aircraft E-4B fleet. The four (4) engine E-4B is a highly modified Boeing 747 Model 200 (747-200) airframe which supports the National Airborne Operations Center (NAOC) mission. NAOC provides national civilian and military leadership with a worldwide, survivable, and enduring communications node of the National Military Command System (NMCS). The modifications listed within this document provide updates to maintain Federal Aviation Agency (FAA) airframe flight worthiness certification and provide additional capabilities to the aircraft flight control, navigation and communication systems, as well as the primary mission equipment to ensure the E-4B is able to execute its various missions. These modifications also enhance operational capability while improving flight safety, reliability, and maintainability.

The current Boeing estimated design service life of the Boeing 747-200 E-4B airframe is 115K hours and 30K cycles. It is estimated this limit will be reached by the early 2030s. However, as the aircraft age, depot periods need to be extended due to maintenance issues associated with an aging fleet, thus limiting the E-4B's ability to support the NAOC mission due to aircraft non-availability. The age of the four (4) E-4B aircraft fleet presents Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues involving primary mission equipment, and to a lesser extent the airframe. Airframe DMSMS and issues associated with the non-availability of FAA certified parts are expected to increase due to the dwindling world-wide number of Boeing 747-200 aircraft because of the international commercial airline industry removing aging aircraft from their inventories. Funding also supports emerging modification requirements, Government travel, Advisory and Assistance Services Contract (A&ASC), Federally Funded Research and Development Contract (FFRDC) support and equipment as required.

FY24 funds the Advanced Extremely High Frequency/Presidential National Voice Conferencing (AEHF/PNVC), Low Frequency Transmit System (LFTS) and Survivable Super High Frequency (SSHF) efforts, as well as Service Bulletins and Low Cost Modifications.

The AEHF/PNVC modification will install a Family of Advanced Beyond Line-Of-Sight Terminals (FAB-T) / PNVC system and will remove the currently installed Military Strategic Tactical Relay (MILSTAR) / Survivable Emergency Conferencing Network (SECN) systems. This modification is required to meet existing Presidential Policy Directive (PPD)-35, and National Security Presidential Directive (NSPD)-51/ Homeland Security Presidential Directive (HSPD)-20 requirements and to ensure continued connectivity and interoperability as satellite and communications infrastructure evolves. FAB-T Command Post Terminals will replace the MILSTAR Terminal and will provide access to protected wideband Advanced Extremely High Frequency (AEHF) satellite networks. PNVC replaces SECN, which will not be supported once the AEHF satellite network is in place.

The Low Frequency Transmit System (LFTS) program replaces the current Very Low Frequency/Low Frequency (VLF/LF) Transmit system on the four aircraft E-4B fleet. The current system has been on the E-4B for over 35 years and is unsustainable. System replacement is required in order to meet existing Presidential Policy Directive (PPD)-35 requirements and ensure there is constant and consistent connectivity

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: E00400 / E-4
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0302015F	Other Related Program Elements: 0302015F
Line Item MDAP/MAIS Code: N/A		
<p>between National Leadership and Military Forces in all phases of conflict. The E-4B National Airborne Operations Center (NAOC) Capability Development Document (CDD) is the relevant requirements document with the LF requirement which was revalidated in Oct 2013 for LFTS by the Air Force Requirements for Oversight Council (AFROC). LFTS will consist of three primary equipment groups: a Power Amplifier/Coupler (PA/C) group, a Trailing Wire Antenna (TWA) group, and a Control group.</p> <p>The Survivable Super High Frequency (SSHF) modification will upgrade and replace portions of the E-4B's Jam-Resistant Secure Communications (JRSC) system to meet existing Presidential Policy Directive (PPD)-35 and National Security Presidential Directive (NSPD)-51/Homeland Security Presidential Directive (HSPD)-20 requirements and to ensure continued connectivity and interoperability as satellite and communications infrastructure evolves. Expected modifications include, but are not limited to, component and sub-system upgrades and replacement of portions of the current SHF system that are obsolete or near end of service life. A replacement to the SHF system is required as secure, survivable communications capability transitions from the Defense Satellite Communications System (DSCS). The program will be acquired in 2 increments: Increment 1 will include technical solutions such as upgrading the existing modems, systems integration lab, and Ka-band system. Increment 2 will include new modem technology, new Ku-band system, common workstation, and upgrades to the X-band system.</p> <p>The BY2024 funding request was reduced by \$4.000 million to account for the availability of prior year execution balances</p> <p>Funding may be used to address Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues.</p> <p>This funding may include emerging modification requirements to support PMA, A&AS, equipment and other government cost.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
E00400 / E-4

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0302015F **Other Related Program Elements:** 0302015F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	4380 / MUOS (Capability Improvement)				- / 3.540	- / 4.559	- / -	- / -	- / -	- / -
P-40a***	4406B / AEHF Compatible Terminal/PNVC (Capability Improvement)				- / 37.641	- / 9.790	- / 1.089	- / 2.777	- / -	- / 2.777
P-40a***	4409 / Low Frequency Transmit System (LFTS) (Capability Improvement)				- / 36.249	- / -	- / -	- / 0.750	- / -	- / 0.750
P-40a***	99999S / SERVICE BULLETINS (Reliability & Maintainability)				- / -	- / 1.186	- / 1.243	- / 1.528	- / -	- / 1.528
P-40a***	99999X / Low Cost Modifications (Reliability & Maintainability)				- / 16.320	- / 1.990	- / 1.990	- / 1.990	- / -	- / 1.990
P-3a	3411 / Survivable SHF (Capability Improvement)		B		- / 0.000	- / 1.556	- / 1.651	- / 6.010	- / 0.000	- / 6.010
P-40	Total Gross/Weapon System Cost				- / 93.750	- / 19.081	- / 5.973	- / 13.055	- / -	- / 13.055

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	4380 / MUOS (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 8.099
P-40a***	4406B / AEHF Compatible Terminal/PNVC (Capability Improvement)				- / 2.839	- / 2.890	- / 2.955	- / 3.017	- / -	- / 62.998
P-40a***	4409 / Low Frequency Transmit System (LFTS) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 36.999
P-40a***	99999S / SERVICE BULLETINS (Reliability & Maintainability)				- / 6.479	- / 6.629	- / 6.825	- / 7.009	- / -	- / 30.899
P-40a***	99999X / Low Cost Modifications (Reliability & Maintainability)				- / 1.990	- / 1.990	- / 1.990	- / 1.990	- / -	- / 30.250
P-3a	3411 / Survivable SHF (Capability Improvement)		B		- / 21.654	- / 25.258	- / 32.638	- / 33.318	- / 0.000	- / 122.085
P-40	Total Gross/Weapon System Cost				- / 32.962	- / 36.767	- / 44.408	- / 45.334	- / 0.000	- / 291.330

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

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

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

Justification:
This program, P-3A Mod 4409, Low Frequency Transmit System (LFTS), is a new start.

- SSHF FY22 supports Increment 1 hardware procurement for two aircraft, PMA, and change orders.
- SSHF FY23 supports Increment 1 hardware procurement for one aircraft, installation costs for two aircraft, PMA, and change orders.
- SSHF FY24 is projected to support Increment 1 installation costs for one aircraft, Increment 2 hardware procurement for one aircraft, and support costs.
- SSHF FY25-27 is projected to support Increment 2 hardware procurement for two aircraft, installation activities, and support costs.

- AEHF FY22 supports retrofit kit installation costs for two aircraft and PMA.
- AEHF FY23 supports PMA.
- AEHF FY24 is projected to support retrofit kit installation costs for one aircraft and PMA.
- AEHF FY25-27 is projected to support PMA and SECN removal.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: E00400 / E-4
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0302015F	Other Related Program Elements: 0302015F
Line Item MDAP/MAIS Code: N/A		

-LFTS FY24 supports Interim Contractor Support (ICS).
-MUOS FY22 is the last year of funding for this program. FY22 supports remaining hardware procurement, installation costs for three aircraft, and PMA.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E00400 / E-4	Modification Number / Title: 3411 / Survivable SHF

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	1.556	1.651	6.010	0.000	6.010	21.654	25.258	32.638	33.318	0.000	122.085
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	1.556	1.651	6.010	0.000	6.010	21.654	25.258	32.638	33.318	0.000	122.085
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	1.556	1.651	6.010	0.000	6.010	21.654	25.258	32.638	33.318	0.000	122.085

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

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

Description:

Survivable Super High Frequency (SSHF) will upgrade and replace portions of the E-4B's Jam-Resistant Secure Communications (JRSC) system to meet existing Presidential Policy Directive (PPD)-35 and National Security Presidential Directive (NSPD)-51/Homeland Security Presidential Directive (HSPD)-20 requirements and to ensure continued connectivity and interoperability as satellite and communications infrastructure evolves. Expected modifications include, but are not limited to, component and sub-system upgrades and replacement of portions of the current SHF system that are obsolete or near end of service life. A replacement to the SHF system is required as secure, survivable communications capability transitions from the Defense Satellite Communications System (DSCS).

Program approved as Section 804 Middle Tier Acquisition in April 2019.

A risk-reduction study was completed in FY2019 to further define the acquisition strategy of the SSHF program. The program will be acquired in 2 increments: Increment 1 will include technical solutions such as upgrading the existing modems, systems integration lab, and Ka-band system. Increment 2 will include new modem technology, new Ku-band system, common workstation, and upgrades to the X-band system. The SSHF program has associated Research Development Test and Evaluation funding (PE 0302015F) that will modify one prototype aircraft per increment. APAF will fund the modifications of the remaining three aircraft in each increment. Installation will occur on all four E-4Bs.

This funding may include emerging modification requirements to support PMA, A&AS, equipment, and other government cost.

Milestone/Development Status

Increment 1 development contract awarded in Oct 2020 and Rapid Prototype Decision approved Jan 2021.

Increment 2 development contract awarded in Dec 2021 and Rapid Prototype Decision approved Dec 2021.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: E00400 / E-4					Modification Number / Title: 3411 / Survivable SHF			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: E-4B				Modification Type: Capability Improvement				Related RDT&E PEs: 0302015F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0302015F	1 / 32.622	- / 22.798	- / 25.701	- / 39.868	- / -	- / 39.868	- / 26.767	- / 24.715	- / 5.000	- / 3.000	- / -	1 / 180.471	
Procurement													
Modification Item 1 of 2: Inc 1													
A Kits													
Recurring													
Inc 1:INSTALL KITS Group A (Active)	- / -	2 / 1.172	1 / 0.604	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.776	
Subtotal: Recurring	- / -	- / 1.172	- / 0.604	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.776	
Subtotal: Inc 1	- / -	- / 1.172	- / 0.604	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.776	
Modification Item 2 of 2: Inc 2													
A Kits													
Recurring													
Inc 2:INSTALL KITS Group A (Active)	- / -	- / -	- / -	1 / 3.410	- / -	1 / 3.410	2 / 8.341	- / -	- / -	- / -	- / -	3 / 11.751	
Subtotal: Recurring	- / -	- / -	- / -	- / 3.410	- / -	- / 3.410	- / 8.341	- / -	- / -	- / -	- / -	- / 11.751	
Subtotal: Inc 2	- / -	- / -	- / -	- / 3.410	- / -	- / 3.410	- / 8.341	- / -	- / -	- / -	- / -	- / 11.751	
Subtotal: Procurement, All Modification Items	- / -	- / 1.172	- / 0.604	- / 3.410	- / -	- / 3.410	- / 8.341	- / -	- / -	- / -	- / -	- / 13.527	
Support (All Modification Items)													
Data	- / -	- / -	- / -	- / 0.157	- / -	- / 0.157	- / -	- / 0.085	- / 2.703	- / -	- / -	- / 2.945	
A&AS	- / -	- / -	- / 0.469	- / 0.789	- / -	- / 0.789	- / 1.133	- / 1.167	- / 1.202	- / -	- / -	- / 4.760	
PMA - Other Gov't Costs	- / -	- / 0.203	- / 0.125	- / 0.143	- / -	- / 0.143	- / 1.140	- / 3.405	- / 26.527	- / 33.318	- / -	- / 64.861	
Change Orders	- / -	- / 0.181	- / 0.096	- / 0.775	- / -	- / 0.775	- / 2.079	- / 2.141	- / 2.206	- / -	- / -	- / 7.478	
Subtotal: Support	- / -	- / 0.384	- / 0.690	- / 1.864	- / -	- / 1.864	- / 4.352	- / 6.798	- / 32.638	- / 33.318	- / -	- / 80.044	
Installation													
Modification Item 1 of 2: Inc 1	- / -	- / -	1 / 0.357	2 / 0.736	- / -	2 / 0.736	- / -	- / -	- / -	- / -	- / -	3 / 1.093	
Modification Item 2 of 2: Inc 2	- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.961	2 / 18.460	- / -	- / -	- / -	3 / 27.421	
Subtotal: Installation	- / -	- / -	1 / 0.357	2 / 0.736	- / -	2 / 0.736	1 / 8.961	2 / 18.460	- / -	- / -	- / -	6 / 28.514	
Total													
Total Cost (Procurement + Support + Installation)	0.000	1.556	1.651	6.010	0.000	6.010	21.654	25.258	32.638	33.318	0.000	122.085	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E00400 / E-4	Modification Number / Title: 3411 / Survivable SHF
---	--	--

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

Modification Item 1 of 2: Inc 1

Manufacturer Information

Manufacturer Name: L-3				Manufacturer Location: Salt Lake City			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 4			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	May 2023	Jun 2023					
Delivery Dates	Sep 2023	Oct 2023					

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	1 / 0.357	1 / 0.368	- / -	1 / 0.368	- / -	- / -	- / -	- / -	- / -	2 / 0.725
FY 2023	- / -	- / -	- / -	1 / 0.368	- / -	1 / 0.368	- / -	- / -	- / -	- / -	- / -	1 / 0.368
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 0.357	2 / 0.736	- / -	2 / 0.736	- / -	- / -	- / -	- / -	- / -	3 / 1.093

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3
Out	0	-	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E00400 / E-4	Modification Number / Title: 3411 / Survivable SHF
---	--	--

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

Modification Item 2 of 2: Inc 2

Manufacturer Information

Manufacturer Name: L-3 Manufacturer Location: Salt Lake City

Administrative Leadtime (in Months): 0 Production Leadtime (in Months): 9

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Jun 2024	Nov 2024			
Delivery Dates			Mar 2025	Aug 2025			

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.961	- / -	- / -	- / -	- / -	1 / 8.961
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 18.460	- / -	- / -	- / -	2 / 18.460
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.961	2 / 18.460	- / -	- / -	- / -	3 / 27.421

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-	0	3
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	-	-	-	-	-	-	-	-	0	3

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: E00800 / E-8
---	--

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0207581F	Other Related Program Elements: N/A
--	--	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	88.815	7.500	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	96.315
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	88.815	7.500	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	96.315
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	88.815	7.500	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	96.315

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

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

Description:

This line item funds modifications to the E-8C Joint Surveillance Target Attack Radar System (JSTARS) aircraft. JSTARS was developed for ground surveillance, targeting, and battle management. The E-8C is a modified Boeing 707-300 airframe that provides a unique blend of Battle Management Command and Control (BMC2) and Intelligence, Surveillance, and Reconnaissance (ISR). Air Battle Managers onboard the JSTARS use its wide area ground surveillance radar to build situational awareness and identify targets which are passed to strike assets or cross-cued with ISR platforms. The capability to perform this dual mission at the tactical edge both reduces the time to execute the kill chain and improves ISR collections across the range of military options outside of the contested environment.

Per the FY19 and FY21, NDAA the Secretary of Defense certified that existing and planned Department of the Air Force (DAF) assets and concept of operations (CONOPS) will be in place to meet Combatant Commander's requirements. This certification initiated the divestiture of the JSTARS weapons system starting in FY22 and ending in FY24.

The JSTARS is officially in the sunset phase as the program is set to fully divest by FY24. As a result, no modifications can be placed on the aircraft within five years of divestment. The JSTARS Program Management Office (PMO) issued a contract termination request on the common data link program and terminated the high frequency radio program prior to award in FY22. No funding (\$0) is required in FY23 and beyond for this program.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	16.312	16.610	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	16.312	16.610	-	-	-	-	-	-

Justification:

Congress has marked the program for a \$16.6M reduction in FY23 because of divestment activities.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: E34045 / Airborne Warning and Cntrl Sys (AWACS) 40/45
---	---

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207417F	Other Related Program Elements: 0207417F
---	---	--

Line Item MDAP/MAIS Code: 277

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	885.236	24.827	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	910.063
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	885.236	24.827	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	910.063
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	885.236	24.827	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	910.063

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

Initial Spares (<i>\$ in Millions</i>)	14.174	-	-	-	-	-	-	-	-	-	-	14.174
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Airborne Warning and Control System (AWACS) provides a highly mobile, flexible, survivable theater Wide Area Surveillance, Battle Management Command and Control (BMC2) capability. It is capable of detecting, identifying, and tracking airborne and maritime targets at extended ranges as well as identifying air/ground emitters. AWACS can relay "big picture" information to C2 agencies and friendly aircraft. AWACS provides worldwide response to situations requiring immediate on-scene BMC2 using embedded real-time surveillance for employment of US and allied combat air forces. AWACS is critical to gaining and maintaining battle-space air superiority. AWACS coordinates with both tactical and C2 assets in theater to execute the air mission. The AWACS Block 40/45 Upgrade program is the largest modification in U.S. AWACS history and represents the critical foundation and baseline system required for all future AWACS enterprise modifications including net-centric operations. The AWACS Block 40/45 Upgrade provides a single target/single track capability with an improved human-machine interface for time-critical targeting designed to increase combat effectiveness and reduce fratricide. The AWACS Block 40/45 Upgrade program includes: An upgrade to Electronic Support Measures sensor data processing; Multi-Source Integration; a Data Link Infrastructure with prioritized data link bandwidth management for Link 16/ Link 11; new battle management tools; capability to parse, allow user access to, and integrate Air Control Order/Air Tasking Order data; enhanced mission and console recording capabilities; and an update to a low-bandwidth internet chat capability (Secure Iridium Chat).

The Program will continue to meet emerging cyber security and system integration requirements and continue executing a Performance Based Logistics contract to maintain fielded aircraft and ground support systems. The program will continue to support the 552nd ACW and field support infrastructure at the 962nd Air Control Squadron at Joint Base Elmendorf- Richardson, AK and the 961st Air Control Squadron at Kadena AFB, Japan.

Beginning in FY23, funding is discontinued to align with reduced E-3 modification efforts due to the planned transition to the E-3 replacement. No BY FY24 funding requested.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
E34045 / Airborne Warning and Cntrl Sys (AWACS) 40/45

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0207417F **Other Related Program Elements:** 0207417F

Line Item MDAP/MAIS Code: 277

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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-3a	1 / BLOCK 40/45 BLOCK UPGRADE (Capability Improvement)		A		- / 885.236	- / 24.827	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-40	Total Gross/Weapon System Cost				- / 885.236	- / 24.827	- / 0.000	- / 0.000	- / -	- / 0.000

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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-3a	1 / BLOCK 40/45 BLOCK UPGRADE (Capability Improvement)		A		- / 0.000	- / 0.000	- / 0.000	- / -	- / -	- / 910.063
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 910.063

*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 continue to meet emerging cyber security and system integration requirements and maintain fielded aircraft by transitioning from Interim Contractor Support (ICS) to two long-term PBL Contractor Logistics Support (CLS) contracts that were awarded in FY2020. The program will continue to support the 552nd ACW and field support infrastructure at the 962nd Air Control Squadron at Joint Base Elmendorf- Richardson, AK and the 961st Air Control Squadron at Kadena AFB, Japan.

Beginning in FY23, funding is discontinued to align with reduced E-3 modification efforts due to the planned transition to the E-3 replacement.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E34045 / Airborne Warning and Cntrl Sys (AWACS) 40/45	Modification Number / Title: 1 / BLOCK 40/45 BLOCK UPGRADE

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	885.236	24.827	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	910.063
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	885.236	24.827	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	910.063
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	885.236	24.827	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	910.063

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

Initial Spares (<i>\$ in Millions</i>)	14.174	0.000	0.000	0.000	-	0.000	-	-	-	-	0.000	14.174
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Airborne Warning and Control System (AWACS) provides a highly mobile, flexible, survivable theater Wide Area Surveillance, Battle Management Command and Control (BMC2) capability. It is capable of detecting, identifying, and tracking airborne and maritime targets at extended ranges as well as identifying air/ground emitters. AWACS can relay "big picture" information to C2 agencies and friendly aircraft. AWACS provides worldwide response to situations requiring immediate on-scene BMC2 using embedded real-time surveillance for employment of US and allied combat air forces. AWACS is critical to gaining and maintaining battle-space air superiority. AWACS coordinates with both tactical and C2 assets in theater to execute the air mission. The AWACS Block 40/45 Upgrade program is the largest modification in U.S. AWACS history and represents the critical foundation and baseline system required for all future AWACS enterprise modifications including net-centric operations. The AWACS Block 40/45 Upgrade provides a single target/single track capability with an improved human-machine interface for time-critical targeting designed to increase combat effectiveness and reduce fratricide. The AWACS Block 40/45 Upgrade program includes an upgrade to Electronic Support Measures sensor data processing; Multi-Source Integration; a Data Link Infrastructure with prioritized data link bandwidth management for Link 16/ Link 11; new battle management tools; capability to parse, allow user access to, and integrate Air Control Order/Air Tasking Order data; enhanced mission and console recording capabilities; and an update to a low-bandwidth internet chat capability (Secure Iridium Chat).

Low Rate Initial Production (LRIP) was approved for six (6) aircraft in November 2008 [one (1) buy in FY2009, two (2) buys in FY2010, and three (3) buys in FY2012]. The Block 40/45 Full Rate Production was approved in November 2012 for the remaining twenty-five (25) aircraft and technology refresh of the six (6) LRIP aircraft; the corresponding production contract was awarded on 27 December 2012. The FY2015 President's budget reduced the AWACS inventory of 31 aircraft to 24 and funding for Block 40/45 Full Rate Production to 24 aircraft. Budgetary actions in FY2017-FY2019 have restored the required funding for 31 aircraft. The program then awarded an undefinitized contract action in FY2019 to procure the remaining Block 40/45 production kits to be used to modify the seven (7) remaining Block 30/35 aircraft, and subsequently a contract to procure production kits to update version 3.0 aircraft to version 4.0, and provide contractor shipside and engineering support for modifications. Additionally, the Program Office will continue to provide updates to fielded ground support systems and provide systems to support organic software maintenance.

In FY2013, the program office began Depot Activation activities to comply with Sources of Repair Assignment Program (SORAP) 09-063 that mandates organic hardware and software maintenance. In December 2015 the Government awarded a contract to fully implement an organic software maintenance facility for aircraft and ground systems at the 558th Software Engineering Squadron by FY2020 and continued adding capability in FY2021. Depot activation of select components and implementation of a Performance Based Logistics (PBL) strategy recommended by our Product Support Business Case Analysis are in work.

Funding for this modification had previously been contained in Weapon System Code (WSC) E00300, but as part of OSD's Major Programs Transparency Initiative and starting in FY2015, the AWACS Block 40/45 Upgrade (MDAP) was moved to WSC E34045. Prior year funding and associated quantities remain in WSC E00300.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E34045 / Airborne Warning and Cntrl Sys (AWACS) 40/45	Modification Number / Title: 1 / BLOCK 40/45 BLOCK UPGRADE
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:
<p>The Program will continue to meet emerging cyber security and system integration requirements and continue executing a Performance Based Logistics contract to maintain fielded aircraft and ground support systems. The program will continue to support the 552nd ACW and field support infrastructure at the 962nd Air Control Squadron at Joint Base Elmendorf- Richardson, AK and the 961st Air Control Squadron at Kadena AFB, Japan.</p> <p>Beginning in FY23, funding is decreased to align with reduced E-3 modification efforts due to the planned transition to the E-3 replacement platform.</p> <p>Milestone/Development Status</p> <p>11/08 - Completed Aircraft Block 40/45 Development (Milestone C/LRIP), 08/11 - Completed Aircraft Block 40/45 Pre-Production, 11/13 - Completed Development of MCMT, 02/14 - Completed Development of MCTS, 06/14 - Completed Development of DGS/GS, 06/14 - Last (6th) LRIP Jet Delivered, First Production Jet Inducted, 07/14 - IOC Declared by ACC/CC.</p>		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: E34045 / Airborne Warning and Cntrl Sys (AWACS) 40/45						Modification Number / Title: 1 / BLOCK 40/45 BLOCK UPGRADE			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: E-3				Modification Type: Capability Improvement				Related RDT&E PEs: 0207417F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Block 4045</i>													
A Kits													
Recurring													
Block 4045:INSTALL KITS Group A (Active)	18 / 119.393	- / -	- / -	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / -	18 / 119.393	
<i>Subtotal: Recurring</i>	- / 119.393	- / -	- / -	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / -	- / 119.393	
B Kits													
Recurring													
Block 4045:EQUIPMENT Group B (Active)	- / 109.517	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 109.517	
<i>Subtotal: Recurring</i>	- / 109.517	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 109.517	
<i>Subtotal: Block 4045</i>	- / 228.910	- / -	- / -	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / -	- / 228.910	
<i>Subtotal: Procurement, All Modification Items</i>	- / 228.910	- / -	- / -	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / -	- / 228.910	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 90.849	- / -	- / -	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / -	- / 90.849	
Make New Selection	- / 198.709	- / 19.436	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 218.145	
Change Orders	- / 6.819	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.819	
SIM/TRAINER	4 / 51.863	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 51.863	
SUPPORT-EQUIP	- / 178.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 178.064	
ICS-Labor	- / 109.561	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 109.561	
OTHER GOVT	- / 126.284	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 126.284	
PMA - Other Gov't Costs	- / 118.161	- / 0.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 118.511	
PMA - Contractor Services	- / 130.707	- / 15.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 135.748	
<i>Subtotal: Support</i>	4 / 611.017	- / 24.827	- / -	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / -	4 / 635.844	
Installation													
<i>Modification Item 1 of 1: Block 4045</i>	19 / 45.309	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 45.309	
<i>Subtotal: Installation</i>	19 / 45.309	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 45.309	
Total													
Total Cost (Procurement + Support + Installation)	885.236	24.827	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	910.063	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: E34045 / Airborne Warning and Cntrl Sys (AWACS) 40/45	Modification Number / Title: 1 / BLOCK 40/45 BLOCK UPGRADE
---	---	--

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

Modification Item 1 of 1: Block 4045

Manufacturer Information

Manufacturer Name: Boeing	Manufacturer Location: Seattle
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 0

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	19 / 45.309	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 45.309
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	19 / 45.309	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 45.309

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	8	3	-	1	3	2	1	2	1	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	24
Out	8	3	-	1	3	2	1	2	1	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	24

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
H00100 / H-1

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0101235F **Other Related Program Elements:** 0101235F, 0401314F, 0804747F

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	57.743	1.533	1.757	0.816	-	0.816	2.092	1.213	1.240	2.287	0.000	68.681
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	57.743	1.533	1.757	0.816	-	0.816	2.092	1.213	1.240	2.287	0.000	68.681
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	57.743	1.533	1.757	0.816	-	0.816	2.092	1.213	1.240	2.287	0.000	68.681

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

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

Description:

This line item funds modifications to UH-1N and TH-1H aircraft. The two-engine UH-1N is a light, utility helicopter primarily used for missile site and range support and distinguished visitor airlift support. There are 63 UH-1N aircraft in the inventory. They were built with an estimated service life of 10,000 flight hours and are not service limited due to on-going modifications and upgrades. There are 28 TH-1H aircraft in the inventory. They are used in the helicopter track for USAF Specialized Undergraduate Pilot Training. The TH-1H modernization modification provided a service life of 20 years, the last one was delivered in 2013.

This funding will address aircraft modifications, aging fleet problems to include: structural repairs, replacement of key systems based on structural fatigue, system obsolescence and a diminishing manufacturing industrial base. Additionally, this effort will address safety requirements to include: Federal Aviation Administration, DoD, engineering mandates and configuration changes. This effort includes funding for program support costs.

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

Funding in this exhibit is contained in PE 0101235F, PE 0401314F, and PE 0804747F.

Justification:

Primary efforts in FY 2024 include: UH-1N Low Cost Modifications and TH-1H Low Cost Modifications.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: H06000 / H-60
---	---

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207224F, 0207228F	Other Related Program Elements: 0207224F, 0207228F
--	--	---

Line Item MDAP/MAIS Code: None

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	692.659	9.109	10.820	4.207	-	4.207	2.032	2.063	0.000	0.000	-	720.890
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	692.659	9.109	10.820	4.207	-	4.207	2.032	2.063	0.000	0.000	-	720.890
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	692.659	9.109	10.820	4.207	-	4.207	2.032	2.063	0.000	0.000	-	720.890

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

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

Description:

This line item funds modifications to the HH-60G helicopter. The HH-60G currently supports the Air Force's core function of Personnel Recovery. The primary mission of the HH-60G is to conduct day, night, and marginal weather Combat Search and Rescue (CSAR) in order to recover isolated personnel in hostile or permissive environments. Potential mission areas include casualty evacuation (CASEVAC), medical evacuation (MEDEVAC), non-combatant evacuation operations, civil search and rescue, international aid, disaster humanitarian relief, and insertion/extraction of combat forces. The Operational Loss Replacement (OLR) Mission Modification program completed delivery of 21 additional aircraft and is moving into sustainment.

There are currently 72 aircraft remaining in the inventory as of March 2023, 12 aircraft are scheduled to retire in FY23 and 37 in FY24. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.

Funding for this exhibit is contained in PE 0207228F.

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.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	9.109	10.820	4.207	-	4.207	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	9.109	10.820	4.207	-	4.207	-	-	-

Justification:

FY24 funding will be used for program management support, and Interim Contractor Support.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: H06000 / H-60
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207224F, 0207228F	Other Related Program Elements: 0207224F, 0207228F
Line Item MDAP/MAIS Code: None		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
H060WM / HH60W Modifications

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

Line Item MDAP/MAIS Code: 479

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	3.083	0.000	-	0.000	51.863	68.326	67.174	68.368	459.318	718.132
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	3.083	0.000	-	0.000	51.863	68.326	67.174	68.368	459.318	718.132
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	3.083	0.000	-	0.000	51.863	68.326	67.174	68.368	459.318	718.132

(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 Combat Rescue Helicopter (HH-60W) program will replace the aging HH-60G. 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. On-board 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, counter-drug activities, support for National Aeronautics and Space Administration flight operations, and insertion/extraction of combat forces.

Funding for this exhibit contained in PE 0207229F.

Future efforts may include Directional Infrared Counter Measure capability, Global Positioning System Anti-Jam/Anti-Spoof, a Degraded Visual Environment system, Integrated Vehicle Health Monitoring System Control, Video Data Link, Blue Force Tracker 2, Next Gen Crypto Mod Mobile User Objective System, Electronic Flight Bags, and Automated Dependent Surveillance Broadcast - In Device. Capability Upgrades and modernization also supports inclusion for mandates, hardware and software changes for diminishing manufacturing sources, and component obsolescence issues for aircraft and training systems.

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

Justification:

No FY24 funding requested.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications
---	--

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	439.238	147.993	109.785	101.055	-	101.055	186.558	345.671	230.219	94.086	0.000	1,654.605
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	439.238	147.993	109.785	101.055	-	101.055	186.558	345.671	230.219	94.086	0.000	1,654.605
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	439.238	147.993	109.785	101.055	-	101.055	186.558	345.671	230.219	94.086	0.000	1,654.605

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

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

Description:

HC /MC-130 Recapitalization provides a Medium-lift tanker aircraft to replace and augment the aging USAF fleet of combat rescue HC-130P/N and special operations MC-130E/H/P/W and AC-130H/U/W aircraft for Combat Search and Rescue (CSAR) and Air Force Special Operation Forces, which are experiencing airworthiness, maintainability, and operations limitations. HC/MC-130 Recap incorporates production line modifications to the C-130J production aircraft to convert them to an HC/MC model, providing a common baseline configuration aircraft. The program also funds post-production modifications to add special mission systems required for behind-enemy-line operations required of CSAR and Special Operations aircraft. The HC-130J aircraft provides combat search and rescue infiltration and exfiltration including aerial refueling of aircraft in combat search and rescue operations as well as acting as an airborne command post during rescue operations. The MC-130J can provide specialized mobility capability to position, supply, re-supply and recover specialized ground tactical units. The AC-130J is an MC-130J that has been highly modified to provide close air support and armed reconnaissance.

This procurement portion of the HC/MC-130 modification program will improve reliability, maintainability, safety, mission performance, reduce logistics costs, and implement fleet upgrades and enhancements to meet emerging requirements for the HC/MC-130J aircraft and associated training systems. This modification permits the initiation and employment of rapid acquisition authorities to respond to emerging threats and requirements as needed. Funding will support studies to reduce potential risks, potential Diminishing Manufacturing Sources (DMS) and obsolescence solutions, to include if optimal, lifetime buys or bridge buys limited to the program of record quantity.

Funding for this exhibit is contained in PE 0207224F (HC-130J) and PE 0207230F (MC-130J).

As of 10 Jan 2023, there have been 125 HC/MC/AC-130J deliveries: 39 HC-130s, 55 MC-130Js and 31 AC-130Js. The designed service life is 30 years and the average service life remaining for an HC-130J is 23.8 years, MC-130J is 24.2 years and AC-130J is 25.3 years.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	141.993	109.785	94.325	-	94.325	186.558	345.671	230.219
AFNG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.000	-	4.487	-	4.487	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications
--	--

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

Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	2.243	-	2.243	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	147.993	109.785	101.055	-	101.055	186.558	345.671	230.219	94.086

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date: March 2023**

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
HCMC00 / HC/MC-130 Modifications

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	8632 / MC-130J Increment 2 (Capability Improvement)				- / 39.376	- / 0.285	- / 0.015	- / -	- / -	- / -
P-40a***	8634 / HC-130J Common Configuration (Capability Improvement)				- / 45.383	- / 0.000	- / -	- / -	- / -	- / -
P-40a***	8635 / HC-130J Personnel Locator System (Capability Improvement)				- / 16.935	- / 0.000	- / -	- / -	- / -	- / -
P-40a***	8636 / HC-130J Situational Awareness (Capability Improvement)				- / 113.440	- / 8.567	- / 13.332	- / -	- / -	- / -
P-40a***	8639 / Wireless Intercom (Capability Improvement)				- / 10.599	- / -	- / -	- / -	- / -	- / -
P-40a***	8642 / (AbMN) Airborne Mission Networking (Capability Improvement)				- / 68.809	- / 45.195	- / 38.698	- / -	- / -	- / -
P-40a***	8648 / ADS-B out Acceleration (Capability Improvement)				- / 2.175	- / -	- / -	- / -	- / -	- / -
P-40a***	8652 / (RFCM) Radio Frequency Countermeasures (Capability Improvement)				- / 80.453	- / -	- / -	- / -	- / -	- / -
P-40a***	8658 / Paratroop Door (Capability Improvement)				- / 26.883	- / -	- / 12.472	- / 1.358	- / -	- / 1.358
P-40a***	8659 / Broadband Antenna (Capability Improvement)				- / 9.400	- / -	- / -	- / -	- / -	- / -
P-40a***	8760 / HC Trainer Modifications (Capability Improvement)				- / -	- / -	- / 20.000	- / 0.000	- / -	- / 0.000
P-40a***	8762 / MC-130J Link 16 (Capability Improvement)				- / 4.420	- / 0.000	- / -	- / -	- / -	- / -
P-40a***	8763 / HC-130J Link 16 (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a***	8765 / LAIRCM Updates (Reliability & Maintainability)				- / -	- / -	- / 4.800	- / 1.837	- / -	- / 1.837
P-40a***	99999W / HC-Low Cost Mods (Safety)				- / -	- / -	- / -	- / 1.756	- / -	- / 1.756
P-40a***	99999X / HC- Low Cost Modifications (Safety)				- / 11.873	- / 0.072	- / 0.904	- / -	- / -	- / -
P-40a***	99999Y / MC-Low Cost Modifications (Other)				- / -	- / -	- / 0.050	- / -	- / -	- / -
P-3a	5222 / HC/MC-130J Block 8.1 (Capability Improvement)		B		- / 9.492	- / 7.820	- / 0.000	- / 29.563	- / 0.000	- / 29.563
P-3a	8737 / HC-Communications Modernization Phase I (Capability Improvement)		B		- / 0.000	- / 0.000	- / 0.000	- / 10.240	- / 0.000	- / 10.240
P-3a	8761 / MC/AC-Communications Modernization Phase I (Capability Improvement)		B		- / 0.000	- / 2.437	- / 7.182	- / 27.100	- / 0.000	- / 27.100
P-3a	8764 / MC-Trainer Modifications (Capability Improvement)		A		- / 0.000	- / 83.617	- / 12.332	- / 7.532	- / 0.000	- / 7.532
P-3a	8767 / HC-Star XIII (Reliability & Maintainability)		B		- / -	- / -	- / -	- / 5.446	- / 0.000	- / 5.446
P-3a	8768 / HC-EO/IR Sensor Modification (Service Life Extension)		B		- / -	- / -	- / -	- / 16.223	- / 0.000	- / 16.223
P-40	Total Gross/Weapon System Cost				- / 439.238	- / 147.993	- / 109.785	- / 101.055	- / -	- / 101.055

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	8632 / MC-130J Increment 2 (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 39.676
P-40a***	8634 / HC-130J Common Configuration (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 45.383
P-40a***	8635 / HC-130J Personnel Locator System (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 16.935
P-40a***	8636 / HC-130J Situational Awareness (Capability Improvement)				- / 0.000	- / -	- / -	- / -	- / -	- / 135.339

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
HCMC00 / HC/MC-130 Modifications

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	8639 / Wireless Intercom (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 10.599
P-40a***	8642 / (AbMN) Airborne Mission Networking (Capability Improvement)				- / 9.988	- / 12.433	- / 12.686	- / 13.529	- / -	- / 201.338
P-40a***	8648 / ADS-B out Acceleration (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 2.175
P-40a***	8652 / (RFCM) Radio Frequency Countermeasures (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 80.453
P-40a***	8658 / Paratroop Door (Capability Improvement)				- / 18.300	- / -	- / -	- / -	- / -	- / 59.013
P-40a***	8659 / Broadband Antenna (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 9.400
P-40a***	8760 / HC Trainer Modifications (Capability Improvement)				- / 0.000	- / -	- / -	- / -	- / -	- / 20.000
P-40a***	8762 / MC-130J Link 16 (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 4.420
P-40a***	8763 / HC-130J Link 16 (Capability Improvement)				- / -	- / 5.300	- / 5.400	- / -	- / -	- / 10.700
P-40a***	8765 / LAIRCM Updates (Reliability & Maintainability)				- / 0.000	- / -	- / -	- / -	- / -	- / 6.637
P-40a***	99999W / HC-Low Cost Mods (Safety)				- / 5.000	- / 5.000	- / 0.195	- / -	- / -	- / 11.951
P-40a***	99999X / HC- Low Cost Modifications (Safety)				- / -	- / -	- / -	- / -	- / -	- / 12.849
P-40a***	99999Y / MC-Low Cost Modifications (Other)				- / -	- / 0.119	- / 0.138	- / -	- / -	- / 0.307
P-3a	5222 / HC/MC-130J Block 8.1 (Capability Improvement)		B		- / 27.940	- / 38.148	- / 38.571	- / 36.507	- / 0.000	- / 188.041
P-3a	8737 / HC-Communications Modernization Phase I (Capability Improvement)		B		- / 28.732	- / 104.100	- / 32.430	- / 1.314	- / 0.000	- / 176.816
P-3a	8761 / MC/AC-Communications Modernization Phase I (Capability Improvement)		B		- / 0.424	- / 43.424	- / 110.264	- / 0.000	- / 0.000	- / 190.831
P-3a	8764 / MC-Trainer Modifications (Capability Improvement)		A		- / 29.364	- / 29.789	- / 30.435	- / 31.044	- / 0.000	- / 224.113
P-3a	8767 / HC-Star XIII (Reliability & Maintainability)		B		- / 47.405	- / 53.600	- / 0.100	- / 11.692	- / 0.000	- / 118.243
P-3a	8768 / HC-EO/IR Sensor Modification (Service Life Extension)		B		- / 19.405	- / 53.758	- / 0.000	- / -	- / -	- / 89.386
P-40	Total Gross/Weapon System Cost				- / 186.558	- / 345.671	- / 230.219	- / 94.086	- / 0.000	- / 1,654.605

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

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

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

Justification:
 This program, P-3A Mod 8737, HC-Communications Modernization Phase I, is a new start.
 This program, P-3A Mod 8767, HC-Star XIII, is a new start.
 This program, P-3A Mod 8768, HC-EO/IR Sensor Modification, is a new start.
 This program, P-3A Mod 99999W, HC-Low Cost Mods, is a new start.

Primary efforts in FY 2024 include: HC/MC-130J Block 8.1, HC/MC/AC-Communication Modernization Phase I, MC-Trainer Modifications, HC-Star XIII, HC-EO/IR Sensor Modification.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 5222 / HC/MC-130J Block 8.1

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	9.492	7.820	0.000	29.563	0.000	29.563	27.940	38.148	38.571	36.507	0.000	188.041
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	9.492	7.820	0.000	29.563	0.000	29.563	27.940	38.148	38.571	36.507	0.000	188.041
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	9.492	7.820	0.000	29.563	0.000	29.563	27.940	38.148	38.571	36.507	0.000	188.041

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

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

Description:

This program funds unique HC-130J integration requirements for the Block 7.0/8.1 program. The C-130J Program (PE 0401132F) provides the Block 7.0/8.1 requirements that are common to all C-130J aircraft. The program will deliver Communication, Navigation and Surveillance/Air Traffic Management (CNS/ATM) capabilities required for compliance with evolving international standards, thereby allowing HC-130J aircraft to operate in international airspace. Some of the capabilities to be included are a new Flight Management System (FMS), Civil GPS Navigation and Data Link, Transponder including Identification Friend or Foe (IFF), Automatic Dependent Surveillance-Broadcast Out (ADS-B Out), and 4th Communications/Navigation/Identification Management Unit (CNI-MU). This funding will support potentially Diminishing Manufacturing Sources (DMS) and obsolescence solutions, to include if optimal, lifetime buys or bridge buys limited to the program of record quantity. Program funding includes, but is not limited to, purchase of Government Furnished Equipment, Trainers, Pub/Tech Data, Interim Contractor Support, Data, and Program costs needed to field the capability.

In 2018 the USAF significantly revamped its HC-130J Block 7.0/8.1. upgrade strategy. The MC-130J was de-scoped from the current Block 7.0/8.1 program to allow the MC 130J to prioritize other (SOCOM-funded) modifications while allowing Air Combat Command (ACC) to move forward with Block 7.0/8.1 on the HC-130J.

The HC-130J Block 7.0/8.1 modification upgrade was under the ACAT I, but in FY 2022 was stood up a separate ACAT III program. The HC-130J Block 7.0/8.1 retrofit installation program funds the Group A and unique Group B parts that make up the HC-130J Block 7.0/8.1 retrofit kits, installation of retrofit kits, delta kit components, associated trainer efforts, and any other item required to field the HC 7.0-8.1 capability. The Common Core Group B parts in the HC-130J 7.0/8.1 retrofit kits are funded in the C-130J Block 7.0/8.1 program.

This program will retrofit 39 HC-130Js. To date, the program has acquired five (5) kits using prior year funding (one (1) kit using RDT&E funds, three (3) for production installation, and one (1) spare). Funding is programmed in FY 2022 to complete three (3) Gabreski ANG aircraft installs. No funding is programmed in FY 2023 and kit purchases will resume in FY 2024 with kit installs beginning FY 2026.

Milestone/Development Status

HC-130J Block 7.0/8.1 Trial Kit Install RDT&E project started in FY 2016 and contract will be closed out in FY 2023. Milestone C occurred in Dec 2022.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.820	-	29.563	-	29.563	27.940	38.148	38.571	36.507
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.000	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications			Modification Number / Title: 5222 / HC/MC-130J Block 8.1				
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:					
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	7.820	0.000	29.563	0.000	29.563	27.940	38.148	38.571	36.507

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications					Modification Number / Title: 5222 / HC/MC-130J Block 8.1			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: HC-130J				Modification Type: Capability Improvement				Related RDT&E PEs: 0207224F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> HC 70/81 Kit													
A Kits													
Recurring													
HC 70/81 Kit:INSTALL KITS Group A (Active)	- / -	- / -	- / -	6 / 7.600	- / -	6 / 7.600	6 / 7.800	6 / 8.000	6 / 8.200	6 / 8.400	- / -	30 / 40.000	
HC 70/81 Kit:INSTALL KITS Group A (Guard)	3 / 6.834	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.834	
<i>Subtotal: Recurring</i>	- / 6.834	- / -	- / -	- / 7.600	- / -	- / 7.600	- / 7.800	- / 8.000	- / 8.200	- / 8.400	- / -	- / 46.834	
B Kits													
Recurring													
HC 70/81 Kit:EQUIPMENT Group B (Active)	3 / 2.658	- / -	- / -	6 / 2.000	- / -	6 / 2.000	6 / 2.200	6 / 2.200	6 / 2.300	6 / 2.300	- / -	33 / 13.658	
<i>Subtotal: Recurring</i>	- / 2.658	- / -	- / -	- / 2.000	- / -	- / 2.000	- / 2.200	- / 2.200	- / 2.300	- / 2.300	- / -	- / 13.658	
<i>Subtotal: HC 70/81 Kit</i>	- / 9.492	- / -	- / -	- / 9.600	- / -	- / 9.600	- / 10.000	- / 10.200	- / 10.500	- / 10.700	- / -	- / 60.492	
<i>Subtotal: Procurement, All Modification Items</i>	- / 9.492	- / -	- / -	- / 9.600	- / -	- / 9.600	- / 10.000	- / 10.200	- / 10.500	- / 10.700	- / -	- / 60.492	
Support (All Modification Items)													
OTHER GOVT	- / -	- / 0.300	- / -	- / 18.050	- / -	- / 18.050	- / 15.975	- / 15.493	- / 15.425	- / 15.100	- / -	- / 30.343	
Mod of Spares	- / -	- / 0.350	- / -	- / 15.100	- / -	- / 15.100	- / 15.300	- / 11.200	- / 10.075	- / 10.900	- / -	- / 12.925	
PSC - Other Govt Costs	- / -	- / 0.700	- / -	- / 15.150	- / -	- / 15.150	- / 15.025	- / 12.500	- / 12.600	- / 10.300	- / -	- / 16.275	
SUPPORT-EQUIP	- / -	- / 0.270	- / -	- / 10.263	- / -	- / 10.263	- / 10.265	- / 10.025	- / 10.028	- / 10.032	- / -	- / 10.883	
SIM/TRAINER	- / -	- / 0.100	- / -	- / 10.100	- / -	- / 10.100	- / 10.025	- / 10.030	- / 10.771	- / 10.050	- / -	- / 11.076	
ICS-Labor	- / -	- / 0.100	- / -	- / 11.300	- / -	- / 11.300	- / 11.350	- / 11.300	- / 11.300	- / 11.325	- / -	- / 16.675	
<i>Subtotal: Support</i>	- / -	- / 1.820	- / -	- / 19.963	- / -	- / 19.963	- / 17.940	- / 10.548	- / 10.199	- / 7.707	- / -	- / 68.177	
Installation													
<i>Modification Item 1 of 1:</i> HC 70/81 Kit	- / -	3 / 6.000	- / -	- / -	- / -	- / -	- / -	6 / 17.400	6 / 17.872	6 / 18.100	12 / 0.000	33 / 59.372	
<i>Subtotal: Installation</i>	- / -	3 / 6.000	- / -	- / -	- / -	- / -	- / -	6 / 17.400	6 / 17.872	6 / 18.100	12 / -	33 / 59.372	
Total													
Total Cost (Procurement + Support + Installation)	9.492	7.820	0.000	29.563	0.000	29.563	27.940	38.148	38.571	36.507	0.000	188.041	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 5222 / HC/MC-130J Block 8.1

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

Modification Item 1 of 1: HC 70/81 Kit

Manufacturer Information

Manufacturer Name: Lockheed Martin Aeronautics Manufacturer Location: Marietta, Georgia

Administrative Leadtime (in Months): 0 Production Leadtime (in Months): 24

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Mar 2024	Mar 2025	Mar 2026	Mar 2027	Mar 2028
Delivery Dates			Mar 2026	Mar 2027	Mar 2028	Mar 2029	Mar 2030

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	3 / 6.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.000
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 17.400	- / -	- / -	- / -	6 / 17.400
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 17.872	- / -	- / -	6 / 17.872
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 18.100	- / -	6 / 18.100
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.000	6 / 0.000
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.000	6 / 0.000
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	3 / 6.000	- / -	- / -	- / -	- / -	- / -	6 / 17.400	6 / 17.872	6 / 18.100	12 / 0.000	33 / 59.372

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-	3	3	-	-	3	3	12	33
Out	0	-	-	-	-	-	-	-	1	-	-	-	1	-	-	1	-	-	-	-	-	3	3	-	-	3	3	-	-	18	33

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8737 / HC-Communications Modernization Phase I

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	0.000	10.240	0.000	10.240	28.732	104.100	32.430	1.314	0.000	176.816
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	0.000	10.240	0.000	10.240	28.732	104.100	32.430	1.314	0.000	176.816
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	0.000	10.240	0.000	10.240	28.732	104.100	32.430	1.314	0.000	176.816

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

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

Description:

This program, P-3A Mod 8737, HC-Communications Modernization Phase I, is a new start.

The USAF initiated the Communications Modernization program to comply with Mobile User Objective System (MUOS) and VINSON/ANDVT Cryptographic Modernization (VACM) mandates and deliver those capabilities on the HC-130J aircraft. Funding includes, but is not limited to, upgrading satellite (SATCOM) radios and cryptographic devices associated Group A provisions, spares, and associated training units for the HC-130J fleets. This funding request also includes, but is not limited to, supporting any safety of flight issues identified during modification, training requirements, and associated publications to include, if optimal, lifetime buys or bridge buys limited to the program of record quantity. Program funding includes, but is not limited to, purchase of Government Furnished Equipment, Trainers, Pub/Tech Data, Interim Contractor Support, Data, Crypto Updates and Program costs needed to field the capability. Related milestone dates and installation schedule dates are for installation on aircraft.

Per direction from SAF/AQ, HC/MC has been directed to follow the Re-engineered Supply Support Program (RSSP) policy direction dated 11 Feb 2000, to procure initial spares with program funding. The line in the funding table labeled "Mod of Spares" is the procurement of initial spares.

Communications Modernization Program will be implemented into 2 acquisition phases: Phase 1 MUOS and VACM capabilities and Phase II SATURN, UHF and VHF capabilities. Actual Active/Reserve/Guard breakdown will be adjusted, and installs will occur as aircraft become available. A full aircraft install kit consists of two (2) Group A kits and two (2) Group B kits.

Milestone/Development Status

Development began in FY 2020. The program has entered Milestone B.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	10.240	-	10.240	28.732	104.100	32.430	1.314
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.000	0.000	10.240	0.000	10.240	28.732	104.100	32.430	1.314

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications					Modification Number / Title: 8737 / HC-Communications Modernization Phase I			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: HC-130J				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: COMMS Mod Phase 1</i>													
A Kits													
Recurring													
COMMS Mod Phase 1:INSTALL KITS Group A (Active)													
	- / -	- / -	- / -	- / -	- / -	- / -	19 / 4.489	19 / 4.250	- / -	- / -	- / -	38 / 8.739	
<i>Subtotal: Recurring</i>													
	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.489	- / 4.250	- / -	- / -	- / -	- / 8.739	
B Kits													
Recurring													
COMMS Mod Phase 1:EQUIPMENT Group B (Active)													
	- / -	- / -	- / -	- / -	- / -	- / -	19 / 14.937	19 / 14.150	- / -	- / -	- / -	38 / 29.087	
<i>Subtotal: Recurring</i>													
	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.937	- / 14.150	- / -	- / -	- / -	- / 29.087	
<i>Subtotal: COMMS Mod Phase 1</i>													
	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.426	- / 18.400	- / -	- / -	- / -	- / 37.826	
<i>Subtotal: Procurement, All Modification Items</i>													
	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.426	- / 18.400	- / -	- / -	- / -	- / 37.826	
Support (All Modification Items)													
SIM/TRAINER	- / -	- / -	- / -	- / 0.075	- / -	- / 0.075	- / 1.000	- / 12.848	- / 11.227	- / 0.001	- / -	- / 25.151	
ICS-Material	- / -	- / -	- / -	- / 0.094	- / -	- / 0.094	- / 0.525	- / 0.631	- / 0.742	- / 0.001	- / -	- / 1.993	
MOD OF SPARES	- / -	- / -	- / -	- / 0.116	- / -	- / 0.116	- / 3.624	- / 3.775	- / 3.800	- / 0.002	- / -	- / 11.317	
OTHER GOVT	- / -	- / -	- / -	- / 5.095	- / -	- / 5.095	- / 1.688	- / 55.201	- / 5.323	- / 0.003	- / -	- / 67.310	
SUPPORT-EQUIP	- / -	- / -	- / -	- / 0.110	- / -	- / 0.110	- / 0.200	- / 5.841	- / 0.941	- / 0.001	- / -	- / 7.093	
Type 1 Training	- / -	- / -	- / -	- / 0.105	- / -	- / 0.105	- / 0.527	- / 0.623	- / 0.752	- / 0.001	- / -	- / 2.008	
Change Orders	- / -	- / -	- / -	- / 0.062	- / -	- / 0.062	- / 1.565	- / 1.572	- / 1.584	- / 0.001	- / -	- / 4.784	
PSC - Other Gov't Costs	- / -	- / -	- / -	- / 4.583	- / -	- / 4.583	- / 0.177	- / 5.209	- / 5.308	- / 0.003	- / -	- / 15.280	
<i>Subtotal: Support</i>													
	- / -	- / -	- / -	- / 10.240	- / -	- / 10.240	- / 9.306	- / 85.700	- / 29.677	- / 0.013	- / -	- / 134.936	
Installation													
<i>Modification Item 1 of 1: COMMS Mod Phase 1</i>													
	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 2.753	19 / 1.301	- / -	38 / 4.054	
<i>Subtotal: Installation</i>													
	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 2.753	19 / 1.301	- / -	38 / 4.054	
Total													
Total Cost (Procurement + Support + Installation)	0.000	0.000	0.000	10.240	0.000	10.240	28.732	104.100	32.430	1.314	0.000	176.816	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8737 / HC-Communications Modernization Phase I

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

Modification Item 1 of 1: COMMS Mod Phase 1

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: Marietta
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 18

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates				Apr 2025	Apr 2026		
Delivery Dates				Oct 2026	Oct 2027		

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 2.753	- / -	- / -	19 / 2.753
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 1.301	- / -	19 / 1.301
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 2.753	19 / 1.301	- / -	38 / 4.054

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	5	5	5	5	5	5	4	0	38
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	5	5	5	5	5	4	4	38

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8761 / MC/AC-Communications Modernization Phase I

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	2.437	7.182	27.100	0.000	27.100	0.424	43.424	110.264	0.000	0.000	190.831
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	2.437	7.182	27.100	0.000	27.100	0.424	43.424	110.264	0.000	0.000	190.831
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	2.437	7.182	27.100	0.000	27.100	0.424	43.424	110.264	0.000	0.000	190.831

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

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

Description:

In FY 2022, the MC/AC Communications Modernization Phase I Program (Comms Mod) was previously called the Mobile User Objective System (MUOS).

The USAF initiated the Communications Modernization program to comply with Mobile User Objective System (MUOS) and VINSON/ANDVT Cryptographic Modernization (VACM) mandates. Funding includes but is not limited to upgrading satellite (SATCOM) radios and cryptographic devices associated Group A provisions, spares, and associated training units for the MC-130J fleets. This funding request also includes but is not limited to supporting any safety of flight issues identified during modification, training requirements, and associated publications to include, if optimal, lifetime buys or bridge buys limited to the program of record quantity. Program funding includes but is not limited to purchase of Government Furnished Equipment, Trainers, Pub/Tech Data, Interim Contractor Support, Data, Crypto Updates and Program costs needed to field the capability. Related milestone dates and installation schedule dates are for installation on aircraft.

Kit quantities purchased per year will be determined by available funding and will be buy to budget. One full aircraft install kit consist of two (2) Group A kits and two (2) Group B kits.

Per direction from SAF/AQ, HC/MC has been directed to follow the Re-engineered Supply Support Program (RSSP) policy direction dated 11 Feb 2000, to procure initial spares with program funding. The line in the funding table labeled "Mod of Spares" is the procurement of initial spares.

Communications Modernization Program will be implemented into 2 acquisition phases: Phase 1 MUOS and VACM capabilities and Phase II SATURN, UHF and VHF capabilities.

Milestone/Development Status

Development began in FY 2020. The program has entered Milestone B.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.437	7.182	27.100	-	27.100	0.424	43.424	110.264	0.000
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.437	7.182	27.100	0.000	27.100	0.424	43.424	110.264	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications					Modification Number / Title: 8761 / MC/AC-Communications Modernization Phase I				
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:							
Models of Systems Affected: MCAC-130J				Modification Type: Capability Improvement				Related RDT&E PEs:						
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total		
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		
Procurement														
<i>Modification Item 1 of 1: Comm Mod</i>														
A Kits														
Recurring														
Comm Mod:INSTALL KITS Group A (Active)	- / -	- / -	5 / 1.193	25 / 5.500	- / -	25 / 5.500	- / -	30 / 8.100	32 / 8.703	- / -	- / -	92 / 23.496		
<i>Subtotal: Recurring</i>	- / -	- / -	- / 1.193	- / 5.500	- / -	- / 5.500	- / -	- / 8.100	- / 8.703	- / -	- / -	- / 23.496		
B Kits														
Recurring														
Comm Mod:EQUIPMENT Group B (Active)	- / -	- / -	5 / 4.087	25 / 18.750	- / -	25 / 18.750	- / -	30 / 23.580	32 / 25.152	- / -	- / -	92 / 71.569		
<i>Subtotal: Recurring</i>	- / -	- / -	- / 4.087	- / 18.750	- / -	- / 18.750	- / -	- / 23.580	- / 25.152	- / -	- / -	- / 71.569		
<i>Subtotal: Comm Mod</i>	- / -	- / -	- / 5.280	- / 24.250	- / -	- / 24.250	- / -	- / 31.680	- / 33.855	- / -	- / -	- / 95.065		
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 5.280	- / 24.250	- / -	- / 24.250	- / -	- / 31.680	- / 33.855	- / -	- / -	- / 95.065		
Support (All Modification Items)														
Change Orders	- / -	- / 0.196	- / 0.200	- / 0.210	- / -	- / 0.210	- / 0.019	- / 0.700	- / 3.700	- / -	- / -	- / 5.025		
SUPPORT-EQUIP	- / -	- / 0.565	- / 0.547	- / 1.140	- / -	- / 1.140	- / 0.011	- / 0.328	- / 5.500	- / -	- / -	- / 8.091		
OTHER GOVT	- / -	- / 0.513	- / 0.212	- / 0.300	- / -	- / 0.300	- / 0.297	- / 2.531	- / 6.200	- / -	- / -	- / 10.053		
SIM/TRAINER	- / -	- / -	- / 0.075	- / 0.125	- / -	- / 0.125	- / 0.010	- / 0.120	- / 3.658	- / -	- / -	- / 3.988		
PSC - Contractor Services	- / -	- / 0.337	- / 0.350	- / 0.375	- / -	- / 0.375	- / 0.065	- / 0.070	- / 3.009	- / -	- / -	- / 4.206		
MOD OF SPARES	- / -	- / 0.476	- / 0.378	- / 0.550	- / -	- / 0.550	- / 0.011	- / 0.020	- / 2.200	- / -	- / -	- / 3.635		
Type 1 Training	- / -	- / -	- / 0.081	- / 0.090	- / -	- / 0.090	- / 0.005	- / 0.125	- / 3.300	- / -	- / -	- / 3.601		
ICS-Material	- / -	- / 0.350	- / 0.059	- / 0.060	- / -	- / 0.060	- / 0.006	- / 0.326	- / 2.500	- / -	- / -	- / 3.301		
<i>Subtotal: Support</i>	- / -	- / 2.437	- / 1.902	- / 2.850	- / -	- / 2.850	- / 0.424	- / 4.220	- / 30.067	- / -	- / -	- / 41.900		
Installation														
<i>Modification Item 1 of 1: Comm Mod</i>														
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 7.524	25 / 46.342	30 / 0.000	32 / 0.000	92 / 53.866		
Total														
Total Cost (Procurement + Support + Installation)	0.000	2.437	7.182	27.100	0.000	27.100	0.424	43.424	110.264	0.000	0.000	190.831		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8761 / MC/AC-Communications Modernization Phase I

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

Modification Item 1 of 1: Comm Mod

Manufacturer Information

Manufacturer Name: Various	Manufacturer Location: Various
Administrative Leadtime (in Months): 8	Production Leadtime (in Months): 18

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Jun 2023	Jun 2024		Jun 2026	Jun 2027	
Delivery Dates		Dec 2024	Dec 2025		Dec 2027	Dec 2028	

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 7.524	- / -	- / -	- / -	5 / 7.524
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 46.342	- / -	- / -	25 / 46.342
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.000	30 / 0.000
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.000	32 / 0.000
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 7.524	25 / 46.342	30 / 0.000	32 / 0.000	92 / 53.866

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	6	6	6	7	7	7	8	8	32	92
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	6	6	6	7	7	7	8	40	92

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8764 / MC-Trainer Modifications

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	83.617	12.332	7.532	0.000	7.532	29.364	29.789	30.435	31.044	0.000	224.113
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	83.617	12.332	7.532	0.000	7.532	29.364	29.789	30.435	31.044	0.000	224.113
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	83.617	12.332	7.532	0.000	7.532	29.364	29.789	30.435	31.044	0.000	224.113

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

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

Description:

This effort updates the existing AC/MC-130J training/simulation systems to include modifications made to the aircraft to keep the trainer configuration in sync with the aircraft. This allows comprehensive training for aircrews and maintenance crews.

This includes, but is not limited to Live Virtual Construct (LVC) and MC Concurrency Modifications. LVC allows trainers to interact not only with other trainers but with real aircraft performing missions. MC Concurrency Modifications will update MC training/simulation systems, include but are not limited to, Continuous Improvement Program (CIP), Option X, Large Aircraft Infra-Red Countermeasures (LAIRCM), and Automatic Dependent Surveillance-Broadcast Out (ADS-B out) capabilities. CIP, Option X, LAIRCM and ADS-B out comprise the "COLA" capabilities modification for trainers. CIP and future AC/MC modifications to ensure concurrency between training device and aircraft capabilities. Includes Virtual Reality (VR) and Augmented Reality (AR).

This funding will support potentially Diminishing Manufacturing Sources (DMS) and obsolescence solutions to include, if optimal, lifetime buys or bridge buys limited to the program of record quantity. Program funding includes, but is not limited to purchase of Government Furnished Equipment, Trainers, Pub/Tech Data, Interim Contractor Support, Data, and Program costs needed to field the capability.

This Modification also includes the upgrade/re-purpose of the AC-130W Weapon System Trainer (WST) to an MC-130J configuration.

Training systems to be modified include, but not limited to flight simulators and fuselage trainers to enable simultaneous full aircrew training.

The installation cost are not separately priced for the trainer upgrades. This cost is captured in the kit line. Also, kit cost vary based upon the configuration of the trainer being upgraded.

Milestone/Development Status

Complete

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	83.617	12.332	7.532	-	7.532	29.364	29.789	30.435	31.044
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force	Date: March 2023
---	-------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8764 / MC-Trainer Modifications
---	--	--

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	83.617	12.332	7.532	0.000	7.532	29.364	29.789	30.435	31.044

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications					Modification Number / Title: 8764 / MC-Trainer Modifications			
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:						
Models of Systems Affected: MC-130J				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 2: LVC</i>													
B Kits													
Recurring													
LVC:EQUIPMENT Group B (Active)	- / -	2 / 35.917	2 / 12.322	1 / 7.522	- / -	1 / 7.522	1 / 29.354	1 / 29.779	1 / 30.425	1 / 31.034	- / -	9 / 176.353	
<i>Subtotal: Recurring</i>	- / -	- / 35.917	- / 12.322	- / 7.522	- / -	- / 7.522	- / 29.354	- / 29.779	- / 30.425	- / 31.034	- / -	- / 176.353	
<i>Subtotal: LVC</i>	- / -	- / 35.917	- / 12.322	- / 7.522	- / -	- / 7.522	- / 29.354	- / 29.779	- / 30.425	- / 31.034	- / -	- / 176.353	
<i>Modification Item 2 of 2: Trainer - COLA</i>													
B Kits													
Recurring													
Trainer - COLA:EQUIPMENT Group B (Active)	- / -	12 / 47.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 47.700	
<i>Subtotal: Recurring</i>	- / -	- / 47.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 47.700	
<i>Subtotal: Trainer - COLA</i>	- / -	- / 47.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 47.700	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 83.617	- / 12.322	- / 7.522	- / -	- / 7.522	- / 29.354	- / 29.779	- / 30.425	- / 31.034	- / -	- / 224.053	
Support (All Modification Items)													
PSC - Contractor Services	- / -	- / -	- / 0.004	- / 0.005	- / -	- / 0.005	- / 0.006	- / 0.005	- / 0.004	- / 0.005	- / -	- / 0.029	
Mod of Spares	- / -	- / -	- / 0.006	- / 0.005	- / -	- / 0.005	- / 0.004	- / 0.005	- / 0.006	- / 0.005	- / -	- / 0.031	
<i>Subtotal: Support</i>	- / -	- / -	- / 0.010	- / 0.010	- / -	- / 0.010	- / 0.010	- / 0.010	- / 0.010	- / 0.010	- / -	- / 0.060	
Installation													
<i>Modification Item 1 of 2: LVC</i>													
<i>Modification Item 2 of 2: Trainer - COLA</i>	- / -	- / -	3 / 0.000	8 / 0.000	- / -	8 / 0.000	1 / 0.000	- / -	- / -	- / -	- / -	12 / 0.000	
<i>Subtotal: Installation</i>	- / -	- / -	3 / 0.000	8 / 0.000	- / -	8 / 0.000	5 / 0.000	1 / 0.000	1 / 0.000	1 / 0.000	2 / 0.000	21 / 0.000	
Total													
Total Cost (Procurement + Support + Installation)	0.000	83.617	12.332	7.532	0.000	7.532	29.364	29.789	30.435	31.044	0.000	224.113	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8764 / MC-Trainer Modifications

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

Modification Item 1 of 2: LVC

Manufacturer Information

Manufacturer Name: Lockheed Martin RMS	Manufacturer Location: Orlando, FL
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 22

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	May 2022	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	Mar 2028
Delivery Dates	Mar 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028	Jan 2029	Jan 2030

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.000	- / -	- / -	- / -	- / -	2 / 0.000
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.000	- / -	- / -	- / -	- / -	2 / 0.000
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000	- / -	- / -	- / -	1 / 0.000
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000	- / -	- / -	1 / 0.000
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000	- / -	1 / 0.000
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000	1 / 0.000
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000	1 / 0.000
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.000	1 / 0.000	1 / 0.000	1 / 0.000	2 / 0.000	9 / 0.000

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	0	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	-	-	-	1	-	-	-	1	-	-	-	-	-	1	-	-	-	2	9
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-	-	3	9

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8764 / MC-Trainer Modifications
---	--	--

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

Modification Item 2 of 2: Trainer - COLA

Manufacturer Information

Manufacturer Name: Lockheed Martin RMS Manufacturer Location: Orlando, FL

Administrative Leadtime (in Months): 4 Production Leadtime (in Months): 4

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Feb 2023						
Delivery Dates	Jun 2023						

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	3 / 0.000	8 / 0.000	- / -	8 / 0.000	1 / 0.000	- / -	- / -	- / -	- / -	12 / 0.000
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	3 / 0.000	8 / 0.000	- / -	8 / 0.000	1 / 0.000	- / -	- / -	- / -	- / -	12 / 0.000

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	1	2	2	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	12
Out	0	-	-	-	-	-	-	-	-	1	2	2	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0	12

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8767 / HC-Star XIII

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	5.446	0.000	5.446	47.405	53.600	0.100	11.692	0.000	118.243
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	-	5.446	0.000	5.446	47.405	53.600	0.100	11.692	0.000	118.243
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	5.446	0.000	5.446	47.405	53.600	0.100	11.692	0.000	118.243

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

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

Description:

This program, P-3A Mod 8767, HC-Star XIII, is a new start.

STAR XIII funding will support the incremental production and installation of Group B kits for the HC-130J fleet. Production costs will encompass STAR XIII mission computer and software kit buys and installation, and the production and fielding of technical manual/order updates, training materials updates, and spares. Since the STAR XIII mission computer is programmed as a form/fit/function replacement to its STAR IX predecessor, Group A requirements are not anticipated. Installation will occur via blue-suit personnel.

The HC-130J production costs will mitigate projected HC-130J Mission Incapable Awaiting Parts (MICAP) issues beginning in 2QFY27. Based on Government and Contractor supply analysis, the STAR IX mission computer will be in a Diminishing Manufacturing Source (DMS) state for production, and serviceable spares will have been exhausted. The current HC-130J aircraft configuration employs two (2) STAR IX mission computers to be fully mission capable. If one of the STAR IX mission computers is MICAP and a replacement is not available, the aircraft is grounded for the duration of the STAR IX repair/return cycle. Since the mission computers are not interoperable, STAR IX and XIII variants cannot be mixed to return an aircraft to a fully mission capable status.

Since the HC-130J has multiple mission computer software baselines that will continue to evolve through multiple modification programs, incremental kit buys and installations will be required to support STAR XIII mission computer interoperability and avoid MICAPs.

This funding will support potentially DMS and obsolescence solutions to include, if optimal, lifetime buys or bridge buys limited to the program of record quantity. Program funding includes, but is not limited to purchase of Government Furnished Equipment, Trainers, Pub/Tech Data, Interim Contractor Support, Data, and Program costs needed to field the capability.

Per direction from SAF/AQ, HC/MC has been directed to follow the Re-engineered Supply Support Program (RSSP) policy direction dated 11 Feb 2000, to procure initial spares with program funding. The line in the funding table labeled "Mod of Spares" is the procurement of initial spares.

Milestone/Development Status

N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	5.446	-	5.446	47.405	53.600	0.100	11.692

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications			Modification Number / Title: 8767 / HC-Star XIII				
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:					
Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	-	5.446	0.000	5.446	47.405	53.600	0.100	11.692

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications					Modification Number / Title: 8767 / HC-Star XIII			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: HC-130J				Modification Type: Reliability & Maintainability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Star XIII-Mission Computers</i>													
B Kits													
Recurring													
Star XIII-Mission Computers:EQUIPMENT Group B (Active)	- / -	- / -	- / -	1 / 3.750	- / -	1 / 3.750	12 / 45.100	14 / 50.950	- / -	3 / 11.500	- / -	30 / 111.300	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 3.750	- / -	- / 3.750	- / 45.100	- / 50.950	- / -	- / 11.500	- / -	- / 111.300	
<i>Subtotal: Star XIII-Mission Computers</i>	- / -	- / -	- / -	- / 3.750	- / -	- / 3.750	- / 45.100	- / 50.950	- / -	- / 11.500	- / -	- / 111.300	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 3.750	- / -	- / 3.750	- / 45.100	- / 50.950	- / -	- / 11.500	- / -	- / 111.300	
Support (All Modification Items)													
Type 1 Training	- / -	- / -	- / -	- / 0.010	- / -	- / 0.010	- / 0.019	- / 0.059	- / 0.020	- / 0.020	- / -	- / 0.128	
ICS-Material	- / -	- / -	- / -	- / 0.011	- / -	- / 0.011	- / 0.019	- / 0.025	- / 0.020	- / 0.020	- / -	- / 0.095	
OTHER GOVT	- / -	- / -	- / -	- / 1.616	- / -	- / 1.616	- / 0.121	- / 0.262	- / 0.015	- / 0.100	- / -	- / 2.114	
PSC - Other Gov't Costs	- / -	- / -	- / -	- / 0.039	- / -	- / 0.039	- / 0.131	- / 0.340	- / 0.015	- / 0.030	- / -	- / 0.555	
Data	- / -	- / -	- / -	- / 0.010	- / -	- / 0.010	- / 0.009	- / 0.025	- / 0.010	- / 0.002	- / -	- / 0.056	
Mod of Spares	- / -	- / -	- / -	- / 0.010	- / -	- / 0.010	2 / 2.006	2 / 1.939	- / 0.020	- / 0.020	- / -	4 / 3.995	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 1.696	- / -	- / 1.696	2 / 2.305	2 / 2.650	- / 0.100	- / 0.192	- / -	4 / 6.943	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	5.446	0.000	5.446	47.405	53.600	0.100	11.692	0.000	118.243	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications			Modification Number / Title: 8767 / HC-Star XIII	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 1: Star XIII-Mission Computers							
Manufacturer Information							
Manufacturer Name: Lockheed				Manufacturer Location: Various			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 18			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Jan 2024	Jan 2025	Jan 2026		Jan 2028
Delivery Dates			Jul 2025	Jul 2026	Jul 2027		Jul 2029
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 30		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force	Date: March 2023
---	-------------------------

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications	Modification Number / Title: 8768 / HC-EO/IR Sensor Modification
---	--	--

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	16.223	0.000	16.223	19.405	53.758	0.000	-	-	89.386
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	-	16.223	0.000	16.223	19.405	53.758	0.000	-	-	89.386
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	16.223	0.000	16.223	19.405	53.758	0.000	-	-	89.386

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

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

Description:

This program, P-3A Mod 8768, HC-EO/IR Sensor Modification, is a new start.

This effort will use the hardware solutions developed under the current Multi-Spectral Targeting System-A (MTS-A) (AN/AAS-54) sustaining engineering contract to replace the system's obsolete parts. The replacement of the MTS-A's obsolete parts will address its near/medium term DMSMS issues and extend its service life by at least another 5-8 years.

This funding will support potentially Diminishing Manufacturing Sources (DMS) and obsolescence solutions, to include if optimal, lifetime buys or bridge buys limited to the program of record quantity. Program funding includes, but is not limited to purchase of Government Furnished Equipment, Trainers, Pub/Tech Data, Interim Contractor Support, Data, and Program costs needed to field the capability.

System upgrade labor will be contractor and the systems will be removed and replaced by AF maintenance personnel at the unit.

Milestone/Development Status

N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	9.493	-	9.493	19.405	53.758	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	4.487	-	4.487	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	2.243	-	2.243	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	-	16.223	0.000	16.223	19.405	53.758	0.000	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications					Modification Number / Title: 8768 / HC-EO/IR Sensor Modification			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: HC-130J				Modification Type: Service Life Extension				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> EO/IR Upgrade													
B Kits													
Recurring													
EO/IR Upgrade:EQUIPMENT Group B (Active)	- / -	- / -	- / -	21 / 7.852	- / -	21 / 7.852	- / -	- / -	- / -	- / -	- / -	21 / 7.852	
EO/IR Upgrade:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	12 / 4.487	- / -	12 / 4.487	- / -	- / -	- / -	- / -	- / -	12 / 4.487	
EO/IR Upgrade:EQUIPMENT Group B (Reserve)	- / -	- / -	- / -	6 / 2.243	- / -	6 / 2.243	- / -	- / -	- / -	- / -	- / -	6 / 2.243	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 14.582	- / -	- / 14.582	- / -	- / -	- / -	- / -	- / -	- / 14.582	
<i>Subtotal: EO/IR Upgrade</i>	- / -	- / -	- / -	- / 14.582	- / -	- / 14.582	- / -	- / -	- / -	- / -	- / -	- / 14.582	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 14.582	- / -	- / 14.582	- / -	- / -	- / -	- / -	- / -	- / 14.582	
Support (All Modification Items)													
PSC - Other Gov't Costs	- / -	- / -	- / -	- / 0.884	- / -	- / 0.884	- / -	- / -	- / -	- / -	- / -	- / 0.884	
ICS-Labor	- / -	- / -	- / -	- / 0.505	- / -	- / 0.505	- / -	- / -	- / -	- / -	- / -	- / 0.505	
Data	- / -	- / -	- / -	- / 0.252	- / -	- / 0.252	- / -	- / -	- / -	- / -	- / -	- / 0.252	
OTHER GOVT	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.405	- / 53.758	- / -	- / -	- / -	- / 73.163	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 1.641	- / -	- / 1.641	- / 19.405	- / 53.758	- / -	- / -	- / -	- / 74.804	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	16.223	0.000	16.223	19.405	53.758	0.000	-	-	89.386	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force					Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: HCMC00 / HC/MC-130 Modifications			Modification Number / Title: 8768 / HC-EO/IR Sensor Modification	
ID Code (A=Service Ready, B=Not Service Ready) : B				MDAP/MAIS Code:			
Modification Item 1 of 1: EO/IR Upgrade							
Manufacturer Information							
Manufacturer Name: Raytheon				Manufacturer Location: FL			
Administrative Leadtime (in Months): 8				Production Leadtime (in Months): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Jun 2024				
Delivery Dates			Jun 2025				
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 39		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: OTHACF / Other Aircraft
---	---

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207228F, 0207448F, 0207701F, 0401897F	Other Related Program Elements: 0207228F, 0207249F, 0207701F, 0401897F
--	--	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	620.493	54.828	41.796	54.134	-	54.134	97.317	279.709	101.413	102.639	0.000	1,352.329
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	620.493	54.828	41.796	54.134	-	54.134	97.317	279.709	101.413	102.639	0.000	1,352.329
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	620.493	54.828	41.796	54.134	-	54.134	97.317	279.709	101.413	102.639	0.000	1,352.329

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

Initial Spares (<i>\$ in Millions</i>)	-	-	0.111	0.113	-	0.113	-	-	-	-	-	0.224
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds multiple modifications that apply to weapon systems funded at less than 2 million per year as well as weapon systems with much greater budgets. The overall goal of the modifications budgeted is to enhance capability and improve reliability and maintainability.

Tactical Data Links (TDLs) are used in a combat environment to exchange information such as messages, data, radar tracks, target information, platform status, imagery, and command assignments. TDLs provide interoperability, local and global connectivity, and situational awareness to the user when operating under rapidly changing operational conditions. TDLs provide a jam-resistant; secure digital data transfer network capability with new and standardized waveforms and data formats allowing Line-of-Sight (LOS) and Beyond-Line- of-Sight (BLOS) intra- and inter-flight communications. The funding will provide procurement and integration as needed for all Tactical Data Link (TDL) enterprise efforts. This includes equipment, integration, fielding support, and associated contract support as well as advanced communication capability enhancements to TDLs, gateways, and AF contributions to the Joint Aerial Layer Network (JALN) across platform to include but not limited to (E-11 BACN, KC-135, KC-46, ROBE, and other C2/Communications systems and platforms).

Mobility Air Forces (MAF) Training supports the modification and enhancement of high fidelity MAF aircrew training and support systems to meet combat readiness needs, to include efforts to ensure full employment of Distributed Mission Operations (DMO) capabilities.

Advanced Targeting Pods (ATPs) provide long-range target acquisition and expanded weapon delivery envelopes for greater aircraft survivability. 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.

Funding for this exhibit contained in PE 0207238F, 0207434F, 0207448F, 0207228F, 0207224F, 0207249F, 0303601F, 0401897F.

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 mission, domestic emergency responses, and providing military support to civilian authorities.

Funding may also be used to address Diminishing Manufacturing Sources (DMS) issues, obsolescence resolution and similar emerging requirements.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: OTHACF / Other Aircraft
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207228F, 0207448F, 0207701F, 0401897F	Other Related Program Elements: 0207228F, 0207249F, 0207701F, 0401897F

Line Item MDAP/MAIS Code: N/A

The FY2024 funding request was reduced by 3.220 million to account for the availability of prior year execution balances.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
OTHACF / Other Aircraft

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0207228F, 0207448F, 0207701F, 0401897F **Other Related Program Elements:** 0207228F, 0207249F, 0207701F, 0401897F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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***	8669 / Full Combat Mission Training (Capability Improvement)				- / 76.404	- / -	- / -	- / -	- / -	- / -
P-40a***	8670 / MAF Training (Capability Improvement)				- / 50.291	- / 0.097	- / 12.416	- / 0.099	- / -	- / 0.099
P-40a***	8671 / Tactical Data Link Communications Capabilities (Capability Improvement)				- / -	- / -	- / -	- / 3.370	- / -	- / 3.370
P-40a***	8674 / ATP upgrade Legacy to SE (Other)				- / 162.004	- / 0.227	- / -	- / -	- / -	- / -
P-40a***	8675 / ATP-SE Technology Insertion (Capability Improvement)				- / 122.518	- / 14.591	- / -	- / -	- / -	- / -
P-40a***	8733 / Battlefield ABN Comm Node (BACN) (Other)				- / 52.966	- / 37.898	- / 18.675	- / -	- / -	- / -
P-40a***	8736 / Counterdrug USSOUTHCOM Support (Capability Improvement)				- / 1.200	- / -	- / -	- / -	- / -	- / -
P-40a***	99999J / MISCELLANEOUS LOW COSTS MODS (Combat Developments) (Other)				- / 147.705	- / 0.154	- / 0.096	- / 0.165	- / -	- / 0.165
P-40a***	HH-60U / HH-60U (Capability Improvement)				- / 7.405	- / 1.861	- / 1.133	- / -	- / -	- / -
P-3a	8676 / ATP-TI Increment 1 (Other)		A		- / 0.000	- / 0.000	- / 9.476	- / 50.500	- / 0.000	- / 50.500
P-40	Total Gross/Weapon System Cost				- / 620.493	- / 54.828	- / 41.796	- / 54.134	- / -	- / 54.134

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	8669 / Full Combat Mission Training (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 76.404
P-40a***	8670 / MAF Training (Capability Improvement)				- / 0.107	- / 0.108	- / 0.110	- / 0.112	- / -	- / 63.340
P-40a***	8671 / Tactical Data Link Communications Capabilities (Capability Improvement)				- / 42.297	- / 43.235	- / 44.159	- / 44.194	- / -	- / 177.255
P-40a***	8674 / ATP upgrade Legacy to SE (Other)				- / -	- / -	- / -	- / -	- / -	- / 162.231
P-40a***	8675 / ATP-SE Technology Insertion (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 137.109
P-40a***	8733 / Battlefield ABN Comm Node (BACN) (Other)				- / -	- / -	- / -	- / -	- / -	- / 109.539
P-40a***	8736 / Counterdrug USSOUTHCOM Support (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 1.200
P-40a***	99999J / MISCELLANEOUS LOW COSTS MODS (Combat Developments) (Other)				- / 0.170	- / 0.170	- / 0.173	- / 0.178	- / -	- / 148.811
P-40a***	HH-60U / HH-60U (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 10.399
P-3a	8676 / ATP-TI Increment 1 (Other)		A		- / 54.743	- / 236.196	- / 56.971	- / 58.155	- / -	- / 466.041
P-40	Total Gross/Weapon System Cost				- / 97.317	- / 279.709	- / 101.413	- / 102.639	- / 0.000	- / 1,352.329

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

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

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

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: OTHACF / Other Aircraft
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 0207228F, 0207448F, 0207701F, 0401897F	Other Related Program Elements: 0207228F, 0207249F, 0207701F, 0401897F
Line Item MDAP/MAIS Code: N/A		
Justification: FY24 funding will support: Procurement of new communication capabilities & integration as well as other mods, components, and related provisioning supplies to include interim contract support. Procurement of communication equipment will be in support of High Capacity Backbone, Protected Tactical Waveform and Agile communication programs at a minimum. Funding will also support procurement of other communication capabilities and networking equipment with a focus on achieving an operationally-optimized Advanced Battle Management System and Joint All Domain Command and Control. Funding for this exhibit contained in PE 0207448F. Full Combat Mission Training procurement funds will be used to acquire the hardware and software necessary to deliver Man In The Loop (MITL) and Virtual Air Threat Simulator (VATS) capabilities to the VTTC. The modification and enhancement of high fidelity MAF aircrew training and support systems to meet combat readiness needs, to include efforts to ensure full employment of Distributed Mission Operations (DMO) capabilities. FY24 efforts for this modification of Advanced Targeting Pods (ATPs) provide long-range target acquisition and expanded weapon delivery envelopes for greater aircraft survivability. ATP-TI Inc 1 is a restructure and continuation of ATP-MP (8674) and ATP-SE (8675). HH-60/HH-60U modifications.		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: OTHACF / Other Aircraft	Modification Number / Title: 8676 / ATP-TI Increment 1

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	9.476	50.500	0.000	50.500	54.743	236.196	56.971	58.155	-	466.041
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	9.476	50.500	0.000	50.500	54.743	236.196	56.971	58.155	-	466.041
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	9.476	50.500	0.000	50.500	54.743	236.196	56.971	58.155	-	466.041

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

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

Description:

Funding in FY24 supports the procurement of various kits and kit upgrades as part of ATP-TI supporting both the LITENING and Sniper targeting pods.

ATP-TI will continuously enhance Combat Identification (CID) to improve cost effectiveness and reduce collateral damage via modification and integration of hardware and software. In addition, this requirement provides for program management support (PMA) and funding may be used to address Diminishing Manufacturing Sources (DMS) issues. LITENING ATP Large Aperture Kits procured will include multiple sensor upgrades to increase the threat detection and identification range of the pod. A Digital Port upgrade to the data link will be accomplished resolving DMS issues and implementing the Type-1 Encryption (Band Efficient-Common Data Link) mandate providing defense capabilities against false or spoofed threats. SNIPER ATP Digital Video Integration capability will provide high quality digital imagery to the new High Definition displays in the F-15/16 cockpits enhancing long range threat targeting and identification. Two-color laser spot tracker procurement kits delivers an eye-safe laser for tracking in urban environments. Funding for the Sniper data link upgrade will address DMS issues and implement the Type-1 Encryption (Band Efficient-Common Data Link) mandate.

Quantities will vary based on funding, negotiated prices, and COCOM requirements.

Funding for this exhibit contained in PE 0207249F

Milestone/Development Status

Upgrades will incorporate capabilities developed by industry and the ATP contracts.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: OTHACF / Other Aircraft						Modification Number / Title: 8676 / ATP-TI Increment 1		
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:					
Models of Systems Affected: A-10, F-15C, F-15E, F-16, B-1, B-52				Modification Type: Other				Related RDT&E PEs: 0207249F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1: Upgrade Kits</i>												
A Kits												
Recurring												
Upgrade Kits:INSTALL KITS Group A (Active)	- / -	- / -	80 / 9.476	400 / 50.500	- / -	400 / 50.500	400 / 54.743	1,200 / 177.702	400 / 56.971	400 / 58.155	- / -	2,880 / 407.547
<i>Subtotal: Recurring</i>	- / -	- / -	- / 9.476	- / 50.500	- / -	- / 50.500	- / 54.743	- / 177.702	- / 56.971	- / 58.155	- / -	- / 407.547
<i>Subtotal: Upgrade Kits</i>	- / -	- / -	- / 9.476	- / 50.500	- / -	- / 50.500	- / 54.743	- / 177.702	- / 56.971	- / 58.155	- / -	- / 407.547
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 9.476	- / 50.500	- / -	- / 50.500	- / 54.743	- / 177.702	- / 56.971	- / 58.155	- / -	- / 407.547
Support (All Modification Items)												
Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 58.494	- / -	- / -	- / -	- / 58.494
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 58.494	- / -	- / -	- / -	- / 58.494
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	0.000	0.000	9.476	50.500	0.000	50.500	54.743	236.196	56.971	58.155	-	466.041

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: OTHACF / Other Aircraft			Modification Number / Title: 8676 / ATP-TI Increment 1	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 1 of 1: Upgrade Kits							
Manufacturer Information							
Manufacturer Name: Northrop Grumman; Lockheed Martin				Manufacturer Location: Rolling Meadows, IL; Orlando, FL			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 14			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Nov 2022	Nov 2023	Nov 2024	Nov 2025	Nov 2026	Nov 2027
Delivery Dates		Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028	Jan 2029
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 2880		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods
---	--

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0205219F	Other Related Program Elements: 0205219F
--	--	---

Line Item MDAP/MAIS Code: 424

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,732.486	166.786	211.507	98.063	-	98.063	12.328	12.178	29.233	29.841	0.000	2,292.422
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,732.486	166.786	211.507	98.063	-	98.063	12.328	12.178	29.233	29.841	0.000	2,292.422
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,732.486	166.786	211.507	98.063	-	98.063	12.328	12.178	29.233	29.841	0.000	2,292.422

(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 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 Ground Control Station (GCS) configurations to be tailored to fit mission needs.

MQ-9 aircraft will continue to be modified to ensure aircraft are standardized with the latest configuration. Additionally, the MQ-9 system will continue to evolve and upgrade its capabilities to satisfy new requirements and to address Reliability and Maintainability (R&M) and safety issues as they arise. MQ-9 Mods also includes, but is not limited to, aircraft, sensors, ground control stations, command and control systems, and ground support system retrofit to baseline configurations.

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, enhanced data processing, and Command and Control Resiliency. The number of M2DO aircraft, and final capabilities within this configuration, are subject to change as requirements evolve.

There are currently 149 Block 1 and 192 Block 5 MQ-9 aircraft (as of December 2022) totaling 341 in the inventory. Not all 341 aircraft will receive every modification. Modification quantities will vary due to attrition, budget constraints, and aircraft being modified by other customers. For each P-3a the number of aircraft funded with baseline modification funding is identified.

Efforts in this summary and associated P-3a's have been broken out into several modifications: 9151, 9152, 9154, 9155, 9159, 9164, 9167, 9168, and low cost modifications.

This program will revise quantities based on updated user requirements, aircraft availability, and as funding permits. Funding may be used to address Diminishing Manufacturing Sources (DMS) and Non-Recurring Engineering (NRE) issues.

This program has associated Research, Development Test and Evaluation (RDT&E) AF funding in MQ-9 PE 0205219F.

Funding for this exhibit contained in PE 0205219F.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0205219F	Other Related Program Elements: 0205219F
Line Item MDAP/MAIS Code: 424		
<p>Funding may be used, but is not limited to, for MQ-9 Bridge or Life Of Type Buys (LOTB) to address enterprise DMS (Diminishing Manufacturing Sources) issues. The LOTB requirement may include quantities beyond established aircraft levels, as risk mitigation to prevent high cost Non-Recurring Engineering (NRE). Funding may also be used for support equipment or Government Furnished Equipment (GFE) retrofit requirements, Alternate Mission Equipment (AME), and alternate EO/IR solutions.</p> <p>This program element received 28.5M Ukraine Security Assistance Initiative (USAI) Funds in FY22.</p> <p>Due to an administrative error, FY22 rescission of 65.417M was not captured. The rescission is spread between ACAT IC (2.352M) and Upgrade (62.311M). FY22 total amount should reflect 101.369M</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
PRDTB2 / MQ-9 Mods

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0205219F **Other Related Program Elements:** 0205219F

Line Item MDAP/MAIS Code: 424

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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-3a	9151 / Block 5 (Capability Improvement)		B		- / 76.267	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-3a	9152 / MQ-9 Field (Capability Improvement)		B		- / 338.518	- / 5.511	- / 8.225	- / 0.000	- / 0.000	- / 0.000
P-3a	9154 / Lynx SAR (Capability Improvement)		B		- / 96.137	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-3a	9155 / GCS Blk 30 (Capability Improvement)		B		- / 205.170	- / 14.031	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-3a	9159 / R&M enhancements (Reliability & Maintainability)		B		- / 91.200	- / 12.797	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-3a	9164 / Extended Range MQ-9 (Capability Improvement)		B		- / 353.333	- / 6.685	- / 1.307	- / 0.000	- / 0.000	- / 0.000
P-3a	9167 / MQ-9 Upgrade (Capability Improvement)		B		- / 555.291	- / 127.762	- / 179.149	- / 36.602	- / 0.000	- / 36.602
P-3a	9168 / MQ-9 SLAM (Capability Improvement)		B		- / -	- / 0.000	- / 22.826	- / 61.461	- / 0.000	- / 61.461
P-3a	1 / MQ-9 Low Cost Mods (Reliability & Maintainability)		B		- / 16.570	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-40	Total Gross/Weapon System Cost				- / 1,732.486	- / 166.786	- / 211.507	- / 98.063	- / -	- / 98.063

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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-3a	9151 / Block 5 (Capability Improvement)		B		- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 76.267
P-3a	9152 / MQ-9 Field (Capability Improvement)		B		- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 352.254
P-3a	9154 / Lynx SAR (Capability Improvement)		B		- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 96.137
P-3a	9155 / GCS Blk 30 (Capability Improvement)		B		- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 219.201
P-3a	9159 / R&M enhancements (Reliability & Maintainability)		B		- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 103.997
P-3a	9164 / Extended Range MQ-9 (Capability Improvement)		B		- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 361.325
P-3a	9167 / MQ-9 Upgrade (Capability Improvement)		B		- / 7.684	- / 7.735	- / 0.000	- / 0.000	- / 0.000	- / 914.223
P-3a	9168 / MQ-9 SLAM (Capability Improvement)		B		- / 4.644	- / 4.443	- / 29.233	- / 29.841	- / 0.000	- / 152.448
P-3a	1 / MQ-9 Low Cost Mods (Reliability & Maintainability)		B		- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 16.570
P-40	Total Gross/Weapon System Cost				- / 12.328	- / 12.178	- / 29.233	- / 29.841	- / 0.000	- / 2,292.422

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

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9151 / Block 5

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	76.267	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	76.267
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	76.267	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	76.267
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	76.267	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	76.267

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

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

Description:

This modification program includes 2 overarching projects:

Project 1: Upgrades to all MQ-9 Block 1 aircraft. This includes, but is not limited to upgrading the secure communications for the aircraft.

Project 2: Adding new capability into the MQ-9 Block 5 configuration. Specifically, the first effort (Block 5 Modification Project 2) includes, but is not limited to: Vortex Block 5. Release 1 is covered under the Block 5 modification program.

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

Milestone/Development Status

Block 5 effort is complete and no additional funding is being requested.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods						Modification Number / Title: 9151 / Block 5		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: MQ-9				Modification Type: Capability Improvement				Related RDT&E PEs: 0205219F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
0205219F	- / 1,695.828	- / 76.712	- / 145.231	- / 80.846	- / -	- / 80.846	- / 44.679	- / 45.754	- / 46.691	- / 48.380	- / -	- / 2,184.121
Procurement												
<i>Modification Item 1 of 1: Hybrid Release 1</i>												
A Kits												
Recurring												
Hybrid Release 1:INSTALL KITS Group A (Active)	110 / 2.694	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	110 / 2.694
<i>Subtotal: Recurring</i>	- / 2.694	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.694
B Kits												
Recurring												
Hybrid Release 1:EQUIPMENT Group B (Active)	110 / 12.285	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	110 / 12.285
<i>Subtotal: Recurring</i>	- / 12.285	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.285
<i>Subtotal: Hybrid Release 1</i>	- / 14.979	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.979
<i>Subtotal: Procurement, All Modification Items</i>	- / 14.979	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.979
Support (All Modification Items)												
OTHER GOVT	- / 60.008	- / -	- / -	- / -	- / -	- / -	- / 0.000	- / -	- / -	- / -	- / -	- / 60.008
<i>Subtotal: Support</i>	- / 60.008	- / -	- / -	- / -	- / -	- / -	- / 0.000	- / -	- / -	- / -	- / -	- / 60.008
Installation												
<i>Modification Item 1 of 1: Hybrid Release 1</i>	110 / 1.280	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	110 / 1.280
<i>Subtotal: Installation</i>	110 / 1.280	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	110 / 1.280
Total												
Total Cost (Procurement + Support + Installation)	76.267	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	76.267

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9151 / Block 5
---	--	---

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

Modification Item 1 of 1: Hybrid Release 1

Manufacturer Information

Manufacturer Name: General Atomics ASI Manufacturer Location: Poway, CA

Administrative Leadtime (in Months): 8 Production Leadtime (in Months): 6

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	110 / 1.280	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	110 / 1.280
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	110 / 1.280	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	110 / 1.280

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	110
Out	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	110

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9152 / MQ-9 Field

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	338.518	5.511	8.225	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	352.254
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	338.518	5.511	8.225	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	352.254
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	338.518	5.511	8.225	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	352.254

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

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

Description:

Development is complete. No FY24 funding.

This modification is a portion of the field retrofit program that upgrades MQ-9 aircraft with enhanced capabilities and utilizes a field team to perform the modification. Upgrades that are part of this modification, include but are not limited to, High Definition (HD) aircraft upgrades, Bomb Release Units (BRU)-71 bomb racks, Heavyweight Main Landing Gear (HMLG), VORTEX encrypted Data Links, Bandwidth Efficient Common Data Link (BE-CDL), POAM Mandates, Stores Management System (SMS), Selective Availability Anti-Spoofing Module (SAASM), cast sump, fuel bladders, Radar Altimeters, Barrett Asymmetric Digital Data Link Computers (BADDCC), Beyond Line of Site (BLOS), Global Positioning System (GPS) splitter, Block 5 Power, and Command and Control data-link resiliency, and use of Retrofit facility space. The associated costs reflect all costs associated with the multiple elements of the MQ-9 field retrofits.

The quantity of aircraft for each modification varies depending on when the capability was cut into production.

Funding may be used, but is not limited to, for MQ-9 Bridge or Life Of Type Buys (LOTB) to address enterprise DMS (Diminishing Manufacturing Sources) issues. The LOTB requirement may include quantities beyond established aircraft levels, as risk mitigation to prevent high cost Non-Recurring Engineering (NRE). Funding may also be used for support equipment or Government Furnished Equipment (GFE) retrofit requirements, Alternate Mission Equipment (AME), and alternate EO/IR solutions.

Milestone/Development Status

MQ-9 Field effort is complete in FY24 and no additional funding is being requested.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods					Modification Number / Title: 9152 / MQ-9 Field				
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: MQ-9				Modification Type: Capability Improvement				Related RDT&E PEs: 0205219F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0205219F	- / 1,695.828	- / 76.712	- / 145.231	- / 80.846	- / -	- / 80.846	- / 44.679	- / 45.754	- / 46.691	- / 48.380	- / -	- / 2,184.121	
Procurement													
Modification Item 1 of 1: MQ-9 Field Mods													
A Kits													
Recurring													
MQ-9 Field Mods:INSTALL KITS Group A (Active)	808 / 28.231	38 / 0.208	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	846 / 28.439	
<i>Subtotal: Recurring</i>	- / 28.231	- / 0.208	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 28.439	
B Kits													
Recurring													
MQ-9 Field Mods:EQUIPMENT Group B (Active)	808 / 260.369	38 / 5.027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	846 / 265.396	
<i>Subtotal: Recurring</i>	- / 260.369	- / 5.027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 265.396	
<i>Subtotal: MQ-9 Field Mods</i>	- / 288.600	- / 5.235	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 293.835	
<i>Subtotal: Procurement, All Modification Items</i>	- / 288.600	- / 5.235	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 293.835	
Support (All Modification Items)													
OTHER GOVT	- / 31.176	- / 0.276	- / 4.096	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 35.548	
<i>Subtotal: Support</i>	- / 31.176	- / 0.276	- / 4.096	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 35.548	
Installation													
Modification Item 1 of 1: MQ-9 Field Mods	738 / 18.742	55 / 0.000	38 / 4.129	15 / 0.000	- / -	15 / 0.000	- / -	- / -	- / -	- / -	- / -	846 / 22.871	
<i>Subtotal: Installation</i>	738 / 18.742	55 / -	38 / 4.129	15 / -	- / -	15 / -	- / -	- / -	- / -	- / -	- / -	846 / 22.871	
Total													
Total Cost (Procurement + Support + Installation)	338.518	5.511	8.225	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	352.254

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9152 / MQ-9 Field
---	--	--

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

Modification Item 1 of 1: MQ-9 Field Mods

Manufacturer Information

Manufacturer Name: General Atomics-ASI Manufacturer Location: Poway, CA

Administrative Leadtime (in Months): 8 Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jun 2022						
Delivery Dates	Jun 2023						

Installation Information

Method of Implementation: Depot Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	738 / 18.742	55 / 0.000	15 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	808 / 18.742
FY 2022	- / -	- / -	23 / 4.129	15 / 0.000	- / -	15 / 0.000	- / -	- / -	- / -	- / -	- / -	38 / 4.129
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	738 / 18.742	55 / 0.000	38 / 4.129	15 / 0.000	- / -	15 / 0.000	- / -	- / -	- / -	- / -	- / -	846 / 22.871

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	738	13	14	14	14	9	9	10	10	3	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	846
Out	738	13	14	14	14	9	9	10	10	3	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	846

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9154 / Lynx SAR

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	96.137	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	96.137
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	96.137	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	96.137
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	96.137	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	96.137

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

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

Description:

The Lynx Block 20A Synthetic Aperture Radar (SAR) began production in July 2012. This effort retrofits the 110 MQ-9 aircraft equipped with the older Lynx Block 20 SAR with the current production configuration (LNXD22000-003-000) of the Lynx Block 20A. This effort also retrofits/upgrades the Lynx Block 20A SAR produced in the earlier LNXD22000-001 and LNXD22000-002 configurations to the current production configuration. Retrofitting all Lynx radars to the current production configuration of the Lynx Block 20A SAR enhances fielded capability, significantly improves reliability and maintainability, provides the capability to locate and track dismounted targets, allows for the use of retrofit facility space, resolves Diminishing Manufacturing Sources (DMS) issues with the fielded radars, addresses security concerns, and facilitates future growth of capabilities.

Milestone/Development Status

Lynx SAR effort is complete and no additional funding is being requested.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods					Modification Number / Title: 9154 / Lynx SAR			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: MQ-9				Modification Type: Capability Improvement				Related RDT&E PEs: 0205219F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0205219F	- / 1,695.828	- / 76.712	- / 145.231	- / 80.846	- / -	- / 80.846	- / 44.679	- / 45.754	- / 46.691	- / 48.380	- / -	- / 2,184.121	
Procurement													
<i>Modification Item 1 of 1: Lynx SAR</i>													
A Kits													
Recurring													
Lynx SAR:INSTALL KITS Group A (Active)	76 / 10.218	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 10.218	
<i>Subtotal: Recurring</i>	- / 10.218	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.218	
B Kits													
Recurring													
Lynx SAR:EQUIPMENT Group B (Active)	76 / 79.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 79.272	
<i>Subtotal: Recurring</i>	- / 79.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 79.272	
<i>Subtotal: Lynx SAR</i>	- / 89.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 89.490	
<i>Subtotal: Procurement, All Modification Items</i>	- / 89.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 89.490	
Support (All Modification Items)													
OTHER GOVT	- / 6.647	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.647	
<i>Subtotal: Support</i>	- / 6.647	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.647	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	96.137	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	96.137

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods			Modification Number / Title: 9154 / Lynx SAR	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 1: Lynx SAR							
Manufacturer Information							
Manufacturer Name: General Atomics-ASI				Manufacturer Location: Poway, CA			
Administrative Leadtime (<i>in Months</i>): 2				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 76		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9155 / GCS Blk 30

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	205.170	14.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	219.201
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	205.170	14.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	219.201
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	205.170	14.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	219.201

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

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

Description:

The Ground Control Station (GCS) retrofit program upgrades the GCS, including, but not limited to Fixed and Mobile GCS with new Linux processors, high definition displays, ergonomic improvements, software/hardware updates, communications improvements, cyber security improvements, Predator Primary Data Links (PPDLs), 2nd ARC-210 radio capabilities, emergency line of sight, open architecture and Barrett Asymmetric Digital Data Link Computers (BADDs). Through an incremental approach, GCS retrofits the legacy system with user-prioritized capabilities to include significant Human-Machine Interface (HMI) improvements and reliability and maintenance enhancements. Unit costs vary due to the mix of fixed and mobile retrofits, which have varying costs.

Milestone/Development Status

GCS Block 30 effort is complete and no additional funding is being requested.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods						Modification Number / Title: 9155 / GCS Blk 30		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: MQ-9				Modification Type: Capability Improvement				Related RDT&E PEs: 0205219F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
0205219F	- / 1,695.828	- / 76.712	- / 145.231	- / 80.846	- / -	- / 80.846	- / 44.679	- / 45.754	- / 46.691	- / 48.380	- / -	- / 2,184.121
Procurement												
Modification Item 1 of 1: GCS Block 30												
A Kits												
Recurring												
GCS Block 30:INSTALL KITS Group A (Active)	76 / 13.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 13.480
<i>Subtotal: Recurring</i>	- / 13.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.480
B Kits												
Recurring												
GCS Block 30:EQUIPMENT Group B (Active)	76 / 102.602	- / 12.347	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 114.949
<i>Subtotal: Recurring</i>	- / 102.602	- / 12.347	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 114.949
<i>Subtotal: GCS Block 30</i>	- / 116.082	- / 12.347	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 128.429
<i>Subtotal: Procurement, All Modification Items</i>	- / 116.082	- / 12.347	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 128.429
Support (All Modification Items)												
Change Orders	- / 1.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.210
OTHER GOVT	- / 17.835	- / 1.684	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.519
<i>Subtotal: Support</i>	- / 19.045	- / 1.684	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.729
Installation												
Modification Item 1 of 1: GCS Block 30	76 / 70.043	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 70.043
<i>Subtotal: Installation</i>	76 / 70.043	0 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 70.043
Total												
Total Cost (Procurement + Support + Installation)	205.170	14.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	219.201

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9155 / GCS Blk 30
---	--	--

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

Modification Item 1 of 1: GCS Block 30

Manufacturer Information

Manufacturer Name: General Atomics-ASI	Manufacturer Location: Poway, CA
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 3

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Depot Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	76 / 70.043	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 70.043
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	76 / 70.043	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 70.043

Installation Schedule

PYS	FY 2022	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	76
Out	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	76

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9159 / R&M enhancements

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	91.200	12.797	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	103.997
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	91.200	12.797	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	103.997
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	91.200	12.797	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	103.997

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

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

Description:

This effort enables Reliability and Maintainability (R&M) modifications to the MQ-9 aircraft, sensor payloads, Ground Control Stations (GCS), and simulators. R&M modifications improve component mean time between failure and maintenance action rate requirements, and drive down system sustainability costs. Examples include, but are not limited to improved oil system sampling, new battery junction boxes, angle of attack probes, Ruggedized Aircraft Maintenance Test System (RAMTS), use of retrofit facility space, and improved power inverters. This effort addresses R&M issues identified by the Joint Reliability and Maintainability Evaluation Team (JRMET) and CAT I deficiency reports.

The requirement for R&M Enhancements is validated in the MQ-9 Capability Production Document dated 8 August 2006. The quantity of aircraft for each Block 1 & Block 5 modification varies depending on when the capability was cut into production. In FY22 and out, the R&M funding will be used to conduct other R&M modifications as required and quantities will vary based on funding and user requirements.

This program will revise quantities based on updated user requirements, aircraft availability, and as funding permits.

Funding may be used, but is not limited to, for MQ-9 Bridge or Life Of Type Buys (LOTB) to address enterprise DMS (Diminishing Manufacturing Sources) issues. The LOTB requirement may include quantities beyond established aircraft levels, as risk mitigation to prevent high cost Non-Recurring Engineering (NRE). Funding may also be used for support equipment or Government Furnished Equipment (GFE) retrofit requirements, Alternate Mission Equipment (AME), and alternate EO/IR solutions.

Under this effort the Contractor may provide manufacturing, installation, and acceptance testing to all reliability and maintainability modifications on MQ-9 aircraft and ground based systems.

This mod also includes updates to the MALET Stand Alone Trainer (MSAT) family of systems configuration simulator.

Milestone/Development Status

R&M Enhancement effort is complete and no additional funding is being requested.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods						Modification Number / Title: 9159 / R&M enhancements			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: MQ-9				Modification Type: Reliability & Maintainability				Related RDT&E PEs: 0205219F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0205219F	- / 1,695.828	- / 76.712	- / 145.231	- / 80.846	- / -	- / 80.846	- / 44.679	- / 45.754	- / 46.691	- / 48.380	- / -	- / 2,184.121	
Procurement													
Modification Item 1 of 1: R&M Enhancements													
A Kits													
Recurring													
R&M Enhancements:INSTALL KITS Group A (Active)	170 / 6.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 6.650	
<i>Subtotal: Recurring</i>	- / 6.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.650	
B Kits													
Recurring													
R&M Enhancements:EQUIPMENT Group B (Active)	170 / 77.169	- / 11.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 88.502	
<i>Subtotal: Recurring</i>	- / 77.169	- / 11.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 88.502	
<i>Subtotal: R&M Enhancements</i>	- / 83.819	- / 11.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 95.152	
<i>Subtotal: Procurement, All Modification Items</i>	- / 83.819	- / 11.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 95.152	
Support (All Modification Items)													
OTHER GOVT	- / 7.381	- / 1.464	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.845	
<i>Subtotal: Support</i>	- / 7.381	- / 1.464	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.845	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	91.200	12.797	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	103.997

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods			Modification Number / Title: 9159 / R&M enhancements	
ID Code (A=Service Ready, B=Not Service Ready) : B				MDAP/MAIS Code:			
Modification Item 1 of 1: R&M Enhancements							
Manufacturer Information							
Manufacturer Name: General Atomics ASI				Manufacturer Location: Poway CA			
Administrative Leadtime (<i>in Months</i>): 2				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 170		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9164 / Extended Range MQ-9

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	353.333	6.685	1.307	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	361.325
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	353.333	6.685	1.307	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	361.325
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	353.333	6.685	1.307	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	361.325

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

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

Description:

This program adds Extended Range (ER) capability to the MQ-9 aircraft. Candidate aircraft modifications include, but are not limited to, external fuel tanks with shipping containers, 4-bladed propellers with shipping containers, engine modifications, fuel system modifications, use of retrofit facility space, and software modifications. Current plan is to modify all MQ-9 aircraft to the ER configuration. This program will revise quantities based on updated user requirements and as funding permits.

Funding may be used, but is not limited to, for MQ-9 Bridge or Life Of Type Buys (LOTB) to address enterprise DMS (Diminishing Manufacturing Sources) issues. The LOTB requirement may include quantities beyond established aircraft levels, as risk mitigation to prevent high cost Non-Recurring Engineering (NRE). Funding may also be used for support equipment or Government Furnished Equipment (GFE) retrofit requirements, Alternate Mission Equipment (AME), and alternate EO/IR solutions.

The ER modification will be upgrading 113 Block 1 aircraft and 136 Block 5 aircraft per the users identified requirements, but quantities may vary after accounting for adjustments due to aircraft attrition and production cut-in of the ER capability. Overseas Contingency Operations (OCO) funded modifications will have the installations paid for at contract award, but installations will not occur until kits begin to deliver. All other program office installations will be paid for in the year the installations actually occur.

Requirement for this modification was validated by the Chairman of the Joint Chiefs of Staff in conjunction with the Warfighter Senior Integration Group in response to an Urgent Operational Need.

Quantities in FY18 and onward are Block 5 only. There are no hardware requirements beyond FY22. FY23 funding is for installations.

Milestone/Development Status

Extended Range effort is complete in FY24 and no additional funding is being requested.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods					Modification Number / Title: 9164 / Extended Range MQ-9				
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: MQ-9				Modification Type: Capability Improvement				Related RDT&E PEs: 0205219F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0205219F	- / 1,695.828	- / 76.712	- / 145.231	- / 80.846	- / -	- / 80.846	- / 44.679	- / 45.754	- / 46.691	- / 48.380	- / -	- / 2,184.121	
Procurement													
Modification Item 1 of 1: Extended Range MQ-9													
A Kits													
Recurring													
Extended Range MQ-9:INSTALL KITS Group A (Active)	296 / 33.333	7 / 0.623	- / -	0 / 0.000	- / -	0 / 0.000	- / -	- / -	- / -	- / -	- / -	303 / 33.956	
<i>Subtotal: Recurring</i>	- / 33.333	- / 0.623	- / -	- / 0.000	- / -	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 33.956	
B Kits													
Recurring													
Extended Range MQ-9:EQUIPMENT Group B (Active)	296 / 278.532	7 / 5.210	- / -	0 / 0.000	- / -	0 / 0.000	- / -	- / -	- / -	- / -	- / -	303 / 283.742	
<i>Subtotal: Recurring</i>	- / 278.532	- / 5.210	- / -	- / 0.000	- / -	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 283.742	
<i>Subtotal: Extended Range MQ-9</i>	- / 311.865	- / 5.833	- / -	- / 0.000	- / -	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 317.698	
<i>Subtotal: Procurement, All Modification Items</i>	- / 311.865	- / 5.833	- / -	- / 0.000	- / -	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 317.698	
Support (All Modification Items)													
OTHER GOVT	- / 21.905	- / 0.617	- / 0.121	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.643	
<i>Subtotal: Support</i>	- / 21.905	- / 0.617	- / 0.121	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.643	
Installation													
Modification Item 1 of 1: Extended Range MQ-9	254 / 19.563	39 / 0.235	10 / 1.186	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	303 / 20.984	
<i>Subtotal: Installation</i>	254 / 19.563	39 / 0.235	10 / 1.186	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	303 / 20.984	
Total													
Total Cost (Procurement + Support + Installation)	353.333	6.685	1.307	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	361.325

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9164 / Extended Range MQ-9
---	--	---

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

Modification Item 1 of 1: Extended Range MQ-9

Manufacturer Information

Manufacturer Name: General Atomics - ASI Manufacturer Location: Poway, CA

Administrative Leadtime (in Months): 5 Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Mar 2022						
Delivery Dates	Mar 2023						

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	254 / 19.563	39 / 0.235	3 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	296 / 19.798
FY 2022	- / -	- / -	7 / 1.186	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.186
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	254 / 19.563	39 / 0.235	10 / 1.186	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	303 / 20.984

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	254	10	10	10	9	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	303
Out	254	10	10	10	9	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	303

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9167 / MQ-9 Upgrade

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	555.291	127.762	179.149	36.602	0.000	36.602	7.684	7.735	0.000	0.000	0.000	914.223
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	555.291	127.762	179.149	36.602	0.000	36.602	7.684	7.735	0.000	0.000	0.000	914.223
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	555.291	127.762	179.149	36.602	0.000	36.602	7.684	7.735	0.000	0.000	0.000	914.223

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

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

Description:

The MQ-9 Upgrade program fields new capabilities for the MQ-9 fleet. This program integrates the approved MQ-9 Upgrade Agile Acquisition Strategy, the associated technology maturation efforts, and fielding and sustainment of capabilities associated with Operational Flight Profile releases.

MQ-9 Unmanned Aircraft System retrofits those capabilities into the MQ-9 Block 5 platform as required. Although the content of the OFP releases may change in response to changing mission requirements, at this time releases include, but are not limited to, implementing enhanced data processing & dissemination, mission assurance and resiliency, improved weapon system security, enhanced weapons integration & targeting capabilities across the MQ-9 enterprise, high definition electro-optical/infra-red (EO/IR) imagery with the DAS-4 and/or alternative EO/IR sensor, enhanced and redundant power*, autonomous systems, enhanced command and control data links and associated hardware*, Link 16*, and open architectures including open mission system processing*. Due to the Agile Acquisition process, retrofit priorities will be determined and executed by Technology Maturation Effort (TME) maturity, aircraft availability, and operational needs.

*Indicates efforts and solutions in support of the modernization MQ-9 Multi-Domain Operations (M2DO) configuration.

Requirement for this modification is validated in the MQ-9 Capability Production Document dated 8 August 2006.

This program will revise quantities based on updated user requirements and as funding permits.

Funding may be used, but is not limited to, for MQ-9 Bridge or Life Of Type Buys (LOTB) to address enterprise DMS (Diminishing Manufacturing Sources) issues. The LOTB requirement may include quantities beyond established aircraft levels, as risk mitigation to prevent high cost Non-Recurring Engineering (NRE). Funding may also be used for support equipment or Government Furnished Equipment (GFE) retrofit requirements, Alternate Mission Equipment (AME), and alternate EO/IR solutions.

There are multiple capabilities (within each element of the P-3a) being added to the aircraft, therefore the quantities represent total capabilities, not aircraft. Each element will be installed based upon fleet requirements to get to a baseline for that specific capability release.

The quantity of aircraft for each modification varies depending on when the capability was cut into production. For the DAS-4 retrofit, or alternate EO/IR solution, the program planned to modify Block 5 and Block 1 aircraft delivered with or without DAS-4. For the software release retrofits, the program planned to modify Block 5 and Block 1 aircraft as required.

The increase of Other Government Support costs is due to additional MQ-9 Upgrade Retrofits programs and adjustments made from transitioning support from aircraft production to modernizing the fleet through retrofit program(s) to support warfighter and Combatant Command requirements.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9167 / MQ-9 Upgrade
ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:	

Milestone/Development Status

DAS-4 Development completed in Q4 FY14. Procurement of additional equipment developed in the MQ-9 Upgrade program will continue through FY26+.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods					Modification Number / Title: 9167 / MQ-9 Upgrade		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: MQ-9				Modification Type: Capability Improvement				Related RDT&E PEs: 0205219F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
0205219F	- / 1,695.828	- / 76.712	- / 145.231	- / 80.846	- / -	- / 80.846	85 / 44.679	- / 45.754	- / 46.691	- / 48.380	- / -	85 / 2,184.121
Procurement												
Modification Item 1 of 2: DAS-4 EO/IR Sensor												
A Kits												
Recurring												
DAS-4 EO/IR Sensor:INSTALL KITS Group A (Active)	302 / 0.001	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	302 / 0.001
<i>Subtotal: Recurring</i>	- / 0.001	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.001
B Kits												
Recurring												
DAS-4 EO/IR Sensor:EQUIPMENT Group B (Active)	302 / 415.683	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	302 / 415.683
<i>Subtotal: Recurring</i>	- / 415.683	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 415.683
<i>Subtotal: DAS-4 EO/IR Sensor</i>	- / 415.684	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 415.684
Modification Item 2 of 2: MQ-9 Upgrade												
A Kits												
Recurring												
MQ-9 Upgrade:INSTALL KITS Group A (Active)	100 / 21.575	350 / 12.477	231 / 32.513	60 / 11.902	- / -	60 / 11.902	20 / 0.300	- / -	- / -	- / -	- / -	761 / 78.767
<i>Subtotal: Recurring</i>	- / 21.575	- / 12.477	- / 32.513	- / 11.902	- / -	- / 11.902	- / 0.300	- / -	- / -	- / -	- / -	- / 78.767
B Kits												
Recurring												
MQ-9 Upgrade:EQUIPMENT Group B (Active)	799 / 85.231	350 / 101.367	231 / 124.231	60 / 14.040	- / -	60 / 14.040	20 / 0.700	- / -	- / -	- / -	- / -	1,460 / 325.569
<i>Subtotal: Recurring</i>	- / 85.231	- / 101.367	- / 124.231	- / 14.040	- / -	- / 14.040	- / 0.700	- / -	- / -	- / -	- / -	- / 325.569
<i>Subtotal: MQ-9 Upgrade</i>	- / 106.806	- / 113.844	- / 156.744	- / 25.942	- / -	- / 25.942	- / 1.000	- / -	- / -	- / -	- / -	- / 404.336
<i>Subtotal: Procurement, All Modification Items</i>	- / 522.490	- / 113.844	- / 156.744	- / 25.942	- / -	- / 25.942	- / 1.000	- / -	- / -	- / -	- / -	- / 820.020
Support (All Modification Items)												
OTHER GOVT												
	- / 32.801	- / 7.618	- / 16.679	- / 10.660	- / -	- / 10.660	- / -	- / 5.112	- / -	- / -	- / -	- / 72.870
<i>Subtotal: Support</i>	- / 32.801	- / 7.618	- / 16.679	- / 10.660	- / -	- / 10.660	- / -	- / 5.112	- / -	- / -	- / -	- / 72.870
Installation												
Modification Item 2 of 2: MQ-9 Upgrade												
	- / -	100 / 6.300	350 / 5.726	231 / 0.000	- / -	231 / 0.000	60 / 6.684	20 / 2.623	- / -	- / -	- / -	761 / 21.333
<i>Subtotal: Installation</i>	- / -	100 / 6.300	350 / 5.726	231 / 0.000	- / -	231 / 0.000	60 / 6.684	20 / 2.623	- / -	- / -	- / -	761 / 21.333
Total												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9167 / MQ-9 Upgrade
---	--	--

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

Models of Systems Affected: MQ-9 **Modification Type:** Capability Improvement **Related RDT&E PEs:** 0205219F

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Total Cost (Procurement + Support + Installation)	555.291	127.762	179.149	36.602	0.000	36.602	7.684	7.735	0.000	0.000	0.000	914.223

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods			Modification Number / Title: 9167 / MQ-9 Upgrade	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 2: DAS-4 EO/IR Sensor							
Manufacturer Information							
Manufacturer Name: Raytheon				Manufacturer Location: McKinney, TX			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 22			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 302		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9167 / MQ-9 Upgrade
---	--	--

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

Modification Item 2 of 2: MQ-9 Upgrade

Manufacturer Information

Manufacturer Name: General Atomics, ASI	Manufacturer Location: Poway, CA
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022	Jan 2023	Jan 2024	Jan 2025			
Delivery Dates	Jan 2023	Jan 2024	Jan 2025	Jan 2026			

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	100 / 6.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 6.300
FY 2022	- / -	- / -	350 / 5.726	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	350 / 5.726
FY 2023	- / -	- / -	- / -	231 / 0.000	- / -	231 / 0.000	- / -	- / -	- / -	- / -	- / -	231 / 0.000
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	60 / 6.684	- / -	- / -	- / -	- / -	60 / 6.684
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 2.623	- / -	- / -	- / -	20 / 2.623
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	100 / 6.300	350 / 5.726	231 / 0.000	- / -	231 / 0.000	60 / 6.684	20 / 2.623	- / -	- / -	- / -	761 / 21.333

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	25	25	25	25	90	90	90	80	60	60	60	51	15	15	15	15	5	5	5	5	-	-	-	-	-	-	-	-	0	761
Out	0	25	25	25	25	90	90	90	80	60	60	60	51	15	15	15	15	5	5	5	5	-	-	-	-	-	-	-	-	0	761

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9168 / MQ-9 SLAM

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	22.826	61.461	0.000	61.461	4.644	4.443	29.233	29.841	0.000	152.448
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	22.826	61.461	0.000	61.461	4.644	4.443	29.233	29.841	0.000	152.448
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	22.826	61.461	0.000	61.461	4.644	4.443	29.233	29.841	0.000	152.448

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

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

Description:

The MQ-9 SLAM program fields new capabilities for the MQ-9 fleet as a follow on to the MQ-9 Upgrade program. The SLAM program integrates the approved MQ-9 SLAM Agile Acquisition Strategy, the associated technology maturation efforts, and fielding and sustainment of capabilities associated with Operational Flight Profile releases.

MQ-9 Unmanned Aircraft System retrofits those capabilities into the MQ-9 Block 5 platform as required. Although the content of the OFP releases may change in response to changing mission requirements, at this time releases include, but are not limited to, implementing enhanced data processing & dissemination, mission assurance and resiliency, improved weapon system security, enhanced weapons integration & targeting capabilities across the MQ-9 enterprise, enhanced autonomy, expeditionary line of site control, artificial intelligence, enhanced command and control data links and associated hardware upgrades*, and open architectures including open mission system processing*. Due to the Agile Acquisition process, retrofit priorities will be determined and executed by Technology Maturation Effort (TME) maturity, aircraft availability, and operational needs.

*Indicates efforts and solutions in support of the modernization MQ-9 Multi-Domain Operations (M2DO) configuration.

Requirement for this modification is validated in the MQ-9 Capability Production Document dated 8 August 2006.

This program will revise quantities based on updated user requirements and as funding permits.

Funding may be used, but is not limited to, for MQ-9 Bridge or Life Of Type Buys (LOTB) to address enterprise DMS (Diminishing Manufacturing Sources) issues. The LOTB requirement may include quantities beyond established aircraft levels, as risk mitigation to prevent high cost Non-Recurring Engineering (NRE). Funding may also be used for support equipment or Government Furnished Equipment (GFE) retrofit requirements, Alternate Mission Equipment (AME), and alternate EO/IR solutions.

There are multiple capabilities (within each element of the P-3a) being added to the aircraft, therefore the quantities represent total capabilities, not aircraft. Each element will be installed based upon fleet requirements to get to a baseline for that specific capability release.

The quantity of aircraft for each modification varies depending on when the capability was cut into production. For the software release retrofits, the program plans to modify Block 5 aircraft as required.

Milestone/Development Status

As additional capability is developed in with SLAM RDT&E, Procurement of equipment will be purchased and fielded through FY28+ under the MQ-9 SLAM program.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force											Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods					Modification Number / Title: 9168 / MQ-9 SLAM			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: MQ-9			Modification Type: Capability Improvement				Related RDT&E PEs: 0205219F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
0205219F	- / -	- / 76.712	- / 145.231	- / 80.846	- / -	- / 80.846	- / 44.679	- / 45.754	- / 46.691	- / 48.380	- / -	- / 488.293
Procurement												
Modification Item 1 of 1: MQ-9 SLAM												
A Kits												
Recurring												
MQ-9 SLAM:INSTALL KITS Group A (Active)	- / -	- / -	80 / 2.906	371 / 9.881	- / -	371 / 9.881	- / -	- / -	40 / 5.327	40 / 5.434	- / -	531 / 23.548
<i>Subtotal: Recurring</i>	- / -	- / -	- / 2.906	- / 9.881	- / -	- / 9.881	- / -	- / -	- / 5.327	- / 5.434	- / -	- / 23.548
B Kits												
Recurring												
MQ-9 SLAM:EQUIPMENT Group B (Active)	- / -	- / -	80 / 14.750	371 / 43.867	- / -	371 / 43.867	- / -	- / -	40 / 19.289	40 / 19.675	- / -	531 / 97.581
<i>Subtotal: Recurring</i>	- / -	- / -	- / 14.750	- / 43.867	- / -	- / 43.867	- / -	- / -	- / 19.289	- / 19.675	- / -	- / 97.581
<i>Subtotal: MQ-9 SLAM</i>	- / -	- / -	- / 17.656	- / 53.748	- / -	- / 53.748	- / -	- / -	- / 24.616	- / 25.109	- / -	- / 121.129
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 17.656	- / 53.748	- / -	- / 53.748	- / -	- / -	- / 24.616	- / 25.109	- / -	- / 121.129
Support (All Modification Items)												
OTHER GOVT	- / -	- / -	- / 15.170	- / 14.996	- / -	- / 14.996	- / 4.644	- / 3.516	- / 4.617	- / 4.732	- / -	- / 27.675
<i>Subtotal: Support</i>	- / -	- / -	- / 15.170	- / 14.996	- / -	- / 14.996	- / 4.644	- / 3.516	- / 4.617	- / 4.732	- / -	- / 27.675
Installation												
Modification Item 1 of 1: MQ-9 SLAM	- / -	- / -	- / -	80 / 2.717	- / -	80 / 2.717	371 / 0.000	0 / 0.927	- / -	40 / 0.000	40 / 0.000	531 / 3.644
<i>Subtotal: Installation</i>	- / -	- / -	- / -	80 / 2.717	- / -	80 / 2.717	371 / -	- / 0.927	- / -	40 / -	40 / -	531 / 3.644
Total												
Total Cost (Procurement + Support + Installation)	-	0.000	22.826	61.461	0.000	61.461	4.644	4.443	29.233	29.841	0.000	152.448

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 9168 / MQ-9 SLAM
---	--	---

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

Modification Item 1 of 1: MQ-9 SLAM

Manufacturer Information

Manufacturer Name: General Atomics, ASI	Manufacturer Location: Poway, CA
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 14

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Jan 2023	Jan 2024			Jan 2027	Jan 2028
Delivery Dates		Mar 2024	Mar 2025			Mar 2028	Mar 2029

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	80 / 2.717	- / -	80 / 2.717	- / -	- / -	- / -	- / -	- / -	80 / 2.717
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	371 / 0.000	0 / 0.927	- / -	- / -	- / -	371 / 0.927
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.000	40 / 0.000
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.000	40 / 0.000
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	80 / 2.717	- / -	80 / 2.717	371 / 0.000	0 / 0.927	- / -	40 / 0.000	40 / 0.000	531 / 3.644

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	20	20	20	20	93	93	93	92	-	-	-	-	-	-	-	-	10	10	10	10	40	531
Out	0	-	-	-	-	-	-	-	-	20	20	20	20	93	93	93	92	-	-	-	-	-	-	-	-	10	10	10	10	40	531

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods	Modification Number / Title: 1 / MQ-9 Low Cost Mods

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	16.570	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	16.570
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	16.570	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	16.570
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	16.570	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	16.570

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

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

Description:

This effort enables the execution of low cost modifications in a timely manner. This program will revise quantities based on updated user requirements and as funding permits.

Funding may be used, but is not limited to, for MQ-9 Bridge or Life Of Type Buys (LOTB) to address enterprise DMS (Diminishing Manufacturing Sources) issues. The LOTB requirement may include quantities beyond established aircraft levels, as risk mitigation to prevent high cost Non-Recurring Engineering (NRE). Funding may also be used for support equipment or Government Furnished Equipment (GFE) retrofit requirements, Alternate Mission Equipment (AME), and alternate EO/IR solutions.

Under this effort the contractor shall provide manufacturing, installation, and acceptance testing of low cost modifications on MQ-9 aircraft and ground based systems.

Milestone/Development Status

Development is ongoing.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods						Modification Number / Title: 1 / MQ-9 Low Cost Mods		
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:					
Models of Systems Affected: MQ-9				Modification Type: Reliability & Maintainability				Related RDT&E PEs: 0205219F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
RDT&E PE #												
0205219F	- / 1,695.828	- / 76.712	- / 145.231	- / 80.846	- / -	- / 80.846	- / 44.679	- / 45.754	- / 46.691	- / 48.380	- / -	- / 2,184.121
Procurement												
<i>Modification Item 1 of 1:</i> MQ-9 Low Cost Mods												
A Kits												
Recurring												
MQ-9 Low Cost Mods:INSTALL KITS Group A (Active)	0 / 0.734	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.734
<i>Subtotal: Recurring</i>	- / 0.734	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.734
B Kits												
Recurring												
MQ-9 Low Cost Mods:EQUIPMENT Group B (Active)	0 / 15.836	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 15.836
<i>Subtotal: Recurring</i>	- / 15.836	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.836
<i>Subtotal: MQ-9 Low Cost Mods</i>	- / 16.570	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.570
<i>Subtotal: Procurement, All Modification Items</i>	- / 16.570	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.570
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	16.570	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	16.570

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods			Modification Number / Title: 1 / MQ-9 Low Cost Mods	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 1: MQ-9 Low Cost Mods							
Manufacturer Information							
Manufacturer Name: General Atomics - ASI				Manufacturer Location: Poway, CA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 1			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
PRDTB3 / MQ-9 UAS Payloads

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	134.205	45.201	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	179.406
Less PY Advance Procurement (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	-	-	-	0.000
Net Procurement (P-1) (<i>\$ in Millions</i>)	134.205	45.201	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	179.406
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	134.205	45.201	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	179.406

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

Initial Spares (<i>\$ in Millions</i>)	-	6.800	-	-	-	-	-	-	-	-	-	6.800
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Gorgon Stare system is a podded airborne sensor suite that provides city-sized wide area motion imagery and is currently integrated on MQ-9 Reaper Remotely Piloted Aircraft (RPA). The Air Force Requirements Oversight Council (AFROC) approved Air Combat Command's recommendation to transition Gorgon Stare from a Quick Reaction Capability (QRC) to an Air Force Enduring Capability in November 2014. Gorgon Stare's requirements are documented in the Gorgon Stare Wide Area Airborne Sensor draft Capabilities Development Document. The acquisition strategy for this Air Force podded sensor suite solution is sustainment of the current capability with any upgrades implemented via validated -1067s, Urgent Operational Needs, or requirements as documented in the program CDD. Gorgon Stare operations supports JUON CC-0534, which the Joint Rapid Acquisition Cell (JRAC) dispositioned for sustainment.

As of second quarter FY 2022, the Air Force inventory for Gorgon stare includes the following: eight (8) Gorgon Stare pod sets, five (5) Gorgon Stare Mission Controllers (GSMCs), three (3) Gorgon Stare Archive Managers (GSAMs), seven (7) specially-modified MQ-9 Reaper RPAs, and one System Integration Laboratory (SIL).

FY 2022 funding totals \$52M, including a \$14.4M Congressional Add for a combat loss replacement. The funding procures one (1) DMS IR sensors and nine (9) MQ-9 Block 5 integration kits. Block 5 integration kits include the Dual-Sensor WAMI Pod configuration, allowing the MQ-9 to be armed while also carrying both of the Gorgon Stare sensors in a single pod.

There is no FY 2023 funding for this program, nor is FY2024 funding requested.

Due to rapidly changing threat environment and operational demand leveraging Gorgon Stare capabilities, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander requirements to better meet the war fighting objectives. The Gorgon Stare program is managed by the 645th Aeronautical Systems Group. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. Funding for this exhibit is contained in PE 0305206F.

Justification:

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

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: SLC3SA / Senior Leader C3 System - Aircraft
--	---

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0401314F	Other Related Program Elements: 0401314F
---	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	28.265	24.784	24.847	-	24.847	24.955	24.882	24.908	24.927	0.000	177.568
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	28.265	24.784	24.847	-	24.847	24.955	24.882	24.908	24.927	0.000	177.568
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	28.265	24.784	24.847	-	24.847	24.955	24.882	24.908	24.927	0.000	177.568

(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 SLC3S-A Enhancements effort provides the capability to rapidly acquire, integrate in the Systems Integration Lab (SIL), modify, install, and test new airborne communications technologies for two (2) VC-25A, four (4) C-32A, four (4) C-40B, and sixteen (16) C-37A/B Executive Airlift aircraft. These modifications consist of Top Secret/Sensitive Compartmented Information (TS/SCI), Secret (S), and Unclassified voice/data/video architecture enhancements enabling Senior Leaders to make time critical decisions and manage crisis actions while airborne.

These efforts ensure National Senior Leaders have redundant, protected, survivable, and secure global wideband satellite, air-to-air, and air-to-ground communications for modern business enterprise systems and Command and Control functions while airborne. In addition to the aforementioned modifications, this funding implements National Leadership Command Capability Senior Leader Communications Council actions to correct mission communication system failures and address imminent capability and/or training deltas.

This funding may include, but is not limited to, emerging modification requirements to support Program Support Costs (PCS), Advisory & Assistance Services (A&AS), systems integration lab, trainers, equipment, other government costs, and Senior Leader Communications System modernization efforts.

SLC3S-A unit kit costs are dependent on the starting configuration of each aircraft before modification, the communication upgrades required in the budget year, and the associated installation costs.

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

Funding for this exhibit is contained in PE 0401314F.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
SLC3SA / Senior Leader C3 System - Aircraft

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a***	C-40 - SLC3SA / C-40 - SLC3SA (Capability Improvement)				- / -	- / 6.092	- / 3.105	- / 2.956	- / -	- / 2.956
P-40a***	VC-25A - SLC3SA / VC-25A - SLC3SA (Capability Improvement)				- / -	- / 0.098	- / 0.101	- / 0.101	- / -	- / 0.101
P-3a	1 / C-32 - SLC3SA (Capability Improvement)		B		- / -	- / 8.459	- / 5.220	- / 7.103	- / 0.000	- / 7.103
P-3a	2 / C-37 - SLC3SA (Capability Improvement)		B		- / -	- / 13.616	- / 16.358	- / 14.687	- / 0.000	- / 14.687
P-40	Total Gross/Weapon System Cost				- / -	- / 28.265	- / 24.784	- / 24.847	- / -	- / 24.847

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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***	C-40 - SLC3SA / C-40 - SLC3SA (Capability Improvement)				- / 4.005	- / 4.097	- / 4.107	- / 4.112	- / -	- / 28.474
P-40a***	VC-25A - SLC3SA / VC-25A - SLC3SA (Capability Improvement)				- / 0.101	- / -	- / -	- / -	- / -	- / 0.401
P-3a	1 / C-32 - SLC3SA (Capability Improvement)		B		- / 12.700	- / 12.660	- / 12.668	- / 12.675	- / 0.000	- / 71.485
P-3a	2 / C-37 - SLC3SA (Capability Improvement)		B		- / 8.149	- / 8.125	- / 8.133	- / 8.140	- / -	- / 77.208
P-40	Total Gross/Weapon System Cost				- / 24.955	- / 24.882	- / 24.908	- / 24.927	- / 0.000	- / 177.568

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

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

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

Justification:
 FY24: 1x C-32A will receive Senior Leader Communications enhancements consisting of, but not limited to, bandwidth aggregation, In-flight Information (IFI), Commercial Wi-Fi, Airborne Executive Phone-Enhanced (AEP-E), provisioning for Mobile User Objective System (MUOS), Low Latency World-Wide Data Connection and Link Resiliency and tech refresh.
 FY24: 6x C-37A/Bs will be upgraded with Senior Leader Communications enhancements consisting of, but not limited to, multi-Domain Wi-fi, Ka SATCOM capability, Airborne Executive Phone-Enhanced (AEP-E), cybersecurity modifications and technology refresh.
 FY24: 2x C-40Bs will receive Senior Leader Communications enhancements consisting of, but not limited to, M3 Modem, bandwidth aggregation, In-flight Information (IFI), Commercial Wi-Fi, Airborne Executive Phone-Enhanced (AEP-E), provisioning for Mobile User Objective System (MUOS), Low Latency World-Wide Data Connection and tech refresh.
 FY24: Funding is loaded for VC-25A in anticipation of emerging Presidential communications capability requirements.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: SLC3SA / Senior Leader C3 System - Aircraft	Modification Number / Title: 1 / C-32 - SLC3SA

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	8.459	5.220	7.103	0.000	7.103	12.700	12.660	12.668	12.675	0.000	71.485
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	8.459	5.220	7.103	0.000	7.103	12.700	12.660	12.668	12.675	0.000	71.485
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	8.459	5.220	7.103	0.000	7.103	12.700	12.660	12.668	12.675	0.000	71.485

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

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

Description:

The SLC3S-A Enhancements effort provides the capability to rapidly acquire, integrate in the Systems Integration Lab (SIL), modify, install, and test new airborne communications technologies for four (4) C-32A Executive Airlift aircraft. These modifications consist of Top Secret/Sensitive Compartmented Information (TS/SCI), Secret (S), and Unclassified voice/data/video architecture enhancements enabling Senior Leaders to make time critical decisions and manage crisis actions while airborne.

These efforts ensure National Senior Leaders have redundant, protected, survivable, and secure global wideband satellite, air-to-air, and air-to-ground communications for modern business enterprise systems and Command and Control functions while airborne. In addition to the aforementioned modifications, this funding implements National Leadership Command Capability Senior Leader Communications Council actions to correct mission communication system failures and address imminent capability and/or training deltas.

SLC3S-A unit kits costs are dependent on the starting configuration of each aircraft before modification, the communication upgrades required in the budget year, and the associated installation costs.

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

The below modification requirements are identified via multiple AF 1067s.

FY24: One C-32A will be upgraded with Senior Leader Communications enhancements consisting of, but not limited to, bandwidth aggregation, In-flight Information (IFI), Commercial Wi-Fi, Airborne Executive Phone-Enhanced (AEP-E), Low Latency World-Wide Data Connection and technology upgrades.

Milestone/Development Status

Commercial-off-the-shelf item with non-recurring engineering for integration.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: SLC3SA / Senior Leader C3 System - Aircraft					Modification Number / Title: 1 / C-32 - SLC3SA			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: C-32A				Modification Type: Capability Improvement				Related RDT&E PEs: 0401314F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: MCS Upgrade (3)</i>													
A Kits													
Recurring													
MCS Upgrade:INSTALL KITS Group A (Active)	- / -	1 / 3.333	1 / 2.377	1 / 3.088	- / -	1 / 3.088	2 / 4.138	2 / 4.094	2 / 4.094	2 / 4.094	- / -	11 / 25.218	
<i>Subtotal: Recurring</i>	- / -	- / 3.333	- / 2.377	- / 3.088	- / -	- / 3.088	- / 4.138	- / 4.094	- / 4.094	- / 4.094	- / -	- / 25.218	
B Kits													
Recurring													
MCS Upgrade:EQUIPMENT Group B (Active)	- / -	1 / 2.604	1 / 1.676	1 / 1.980	- / -	1 / 1.980	2 / 2.990	2 / 2.990	2 / 2.990	2 / 2.990	- / -	11 / 18.220	
<i>Subtotal: Recurring</i>	- / -	- / 2.604	- / 1.676	- / 1.980	- / -	- / 1.980	- / 2.990	- / 2.990	- / 2.990	- / 2.990	- / -	- / 18.220	
<i>Subtotal: MCS Upgrade (3)</i>	- / -	- / 5.937	- / 4.053	- / 5.068	- / -	- / 5.068	- / 7.128	- / 7.084	- / 7.084	- / 7.084	- / -	- / 43.438	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 5.937	- / 4.053	- / 5.068	- / -	- / 5.068	- / 7.128	- / 7.084	- / 7.084	- / 7.084	- / -	- / 43.438	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / 1.350	- / -	- / -	- / -	- / -	- / 2.002	- / -	- / -	- / -	- / -	- / 3.352	
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.997	- / 1.997	- / 1.997	- / -	- / 5.991	
PSC - Contractor Services	- / -	- / 0.087	- / 0.083	- / 0.427	- / -	- / 0.427	- / 0.427	- / 0.426	- / 0.426	- / 0.426	- / -	- / 12.302	
PSC - Other Gov't Costs	- / -	- / 0.085	- / 0.084	- / 0.108	- / -	- / 0.108	- / 0.143	- / 0.153	- / 0.161	- / 0.168	- / -	- / 0.902	
<i>Subtotal: Support</i>	- / -	- / 1.522	- / 0.167	- / 0.535	- / -	- / 0.535	- / 2.572	- / 2.576	- / 2.584	- / 2.591	- / -	- / 12.547	
Installation													
<i>Modification Item 1 of 1: MCS Upgrade (3)</i>	- / -	1 / 1.000	1 / 1.000	1 / 1.500	- / -	1 / 1.500	2 / 3.000	2 / 3.000	2 / 3.000	2 / 3.000	- / -	11 / 15.500	
<i>Subtotal: Installation</i>	- / -	1 / 1.000	1 / 1.000	1 / 1.500	- / -	1 / 1.500	2 / 3.000	2 / 3.000	2 / 3.000	2 / 3.000	- / -	11 / 15.500	
Total													
Total Cost (Procurement + Support + Installation)	-	8.459	5.220	7.103	0.000	7.103	12.700	12.660	12.668	12.675	0.000	71.485	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: SLC3SA / Senior Leader C3 System - Aircraft	Modification Number / Title: 1 / C-32 - SLC3SA

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

Modification Item 1 of 1: MCS Upgrade (3)

Manufacturer Information

Manufacturer Name: L3Harris Technologies	Manufacturer Location: Greenville, TX
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 5

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Oct 2021	Oct 2022	Oct 2023	Oct 2024	Oct 2025	Oct 2026	Oct 2027
Delivery Dates	Mar 2022	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	Mar 2028

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	1 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.000
FY 2023	- / -	- / -	1 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.000
FY 2024	- / -	- / -	- / -	1 / 1.500	- / -	1 / 1.500	- / -	- / -	- / -	- / -	- / -	1 / 1.500
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.000	- / -	- / -	- / -	- / -	2 / 3.000
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.000	- / -	- / -	- / -	2 / 3.000
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.000	- / -	- / -	2 / 3.000
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.000	- / -	2 / 3.000
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 1.000	1 / 1.000	1 / 1.500	- / -	1 / 1.500	2 / 3.000	2 / 3.000	2 / 3.000	2 / 3.000	- / -	11 / 15.500

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	1	-	-	-	1	1	-	-	-	1	1	0	11
Out	0	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	1	-	-	1	1	1	-	-	-	1	-	1	-	-	2	11

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: SLC3SA / Senior Leader C3 System - Aircraft	Modification Number / Title: 2 / C-37 - SLC3SA

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	13.616	16.358	14.687	0.000	14.687	8.149	8.125	8.133	8.140	-	77.208
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	13.616	16.358	14.687	0.000	14.687	8.149	8.125	8.133	8.140	-	77.208
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	13.616	16.358	14.687	0.000	14.687	8.149	8.125	8.133	8.140	-	77.208

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

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

Description:

The SLC3S-A Enhancements effort provides the capability to rapidly acquire, integrate in the Systems Integration Lab (SIL), modify, install, and test new airborne communications technologies for sixteen (16) C-37A/B Executive Airlift aircraft. These modifications consist of Top Secret/Sensitive Compartmented Information (TS/SCI), Secret (S), and Unclassified voice/data/video architecture enhancements enabling Senior Leaders to make time critical decisions and manage crisis actions while airborne.

These efforts ensure National Senior Leaders have redundant, protected, survivable, and secure global wideband satellite, air-to-air, and air-to-ground communications for modern business enterprise systems and Command and Control functions globally while airborne. In addition to the aforementioned modifications, this funding implements National Leadership Command Capability Senior Leader Communications Council actions to correct mission communication system failures and address imminent capability and/or training deltas.

SLC3S-A unit kits costs are dependent on the starting configuration of each aircraft before modification, the communication upgrades required in the budget year, and the associated installation costs.

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

The below modification requirements are identified via multiple AF 1067s.

FY24: Six C-37A/Bs will be upgraded with Senior Leader Communications enhancements consisting of, but not limited to, Multi-Domain Wifi, Ka SATCOM capability, Airborne Executive Phone-Enhanced (AEP-E), cybersecurity modifications and technology refresh.

Milestone/Development Status

Commercial-off-the-shelf item with non-recurring engineering for integration.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: SLC3SA / Senior Leader C3 System - Aircraft					Modification Number / Title: 2 / C-37 - SLC3SA			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: C-37				Modification Type: Capability Improvement				Related RDT&E PEs: 0401314F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: MCS Upgrade (2)</i>													
A Kits													
Recurring													
MCS Upgrade:INSTALL KITS Group A (Active)	- / -	4 / 8.237	8 / 9.696	6 / 8.494	- / -	6 / 8.494	2 / 4.921	2 / 4.886	2 / 4.886	2 / 4.886	- / -	26 / 46.006	
<i>Subtotal: Recurring</i>	- / -	- / 8.237	- / 9.696	- / 8.494	- / -	- / 8.494	- / 4.921	- / 4.886	- / 4.886	- / 4.886	- / -	- / 46.006	
B Kits													
Recurring													
MCS Upgrade:EQUIPMENT Group B (Active)	- / -	4 / 2.750	8 / 3.500	6 / 3.000	- / -	6 / 3.000	2 / 2.002	2 / 2.003	2 / 2.003	2 / 2.003	- / -	26 / 17.261	
<i>Subtotal: Recurring</i>	- / -	- / 2.750	- / 3.500	- / 3.000	- / -	- / 3.000	- / 2.002	- / 2.003	- / 2.003	- / 2.003	- / -	- / 17.261	
<i>Subtotal: MCS Upgrade (2)</i>	- / -	- / 10.987	- / 13.196	- / 11.494	- / -	- / 11.494	- / 6.923	- / 6.889	- / 6.889	- / 6.889	- / -	- / 63.267	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 10.987	- / 13.196	- / 11.494	- / -	- / 11.494	- / 6.923	- / 6.889	- / 6.889	- / 6.889	- / -	- / 63.267	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / 0.462	- / 0.995	- / 1.002	- / -	- / 1.002	- / -	- / -	- / -	- / -	- / -	- / 2.459	
PSC - Contractor Services	- / -	- / 0.086	- / 0.083	- / 0.083	- / -	- / 0.083	- / 0.083	- / 0.083	- / 0.083	- / 0.083	- / -	- / 0.584	
PSC - Other Gov't Costs	- / -	- / 0.081	- / 0.084	- / 0.108	- / -	- / 0.108	- / 0.143	- / 0.153	- / 0.161	- / 0.168	- / -	- / 0.898	
<i>Subtotal: Support</i>	- / -	- / 0.629	- / 1.162	- / 1.193	- / -	- / 1.193	- / 0.226	- / 0.236	- / 0.244	- / 0.251	- / -	- / 3.941	
Installation													
<i>Modification Item 1 of 1: MCS Upgrade (2)</i>	- / -	4 / 2.000	8 / 2.000	6 / 2.000	- / -	6 / 2.000	2 / 1.000	2 / 1.000	2 / 1.000	2 / 1.000	- / -	26 / 10.000	
<i>Subtotal: Installation</i>	- / -	4 / 2.000	8 / 2.000	6 / 2.000	- / -	6 / 2.000	2 / 1.000	2 / 1.000	2 / 1.000	2 / 1.000	- / -	26 / 10.000	
Total													
Total Cost (Procurement + Support + Installation)	-	13.616	16.358	14.687	0.000	14.687	8.149	8.125	8.133	8.140	-	77.208	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: SLC3SA / Senior Leader C3 System - Aircraft	Modification Number / Title: 2 / C-37 - SLC3SA
---	---	--

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

Modification Item 1 of 1: MCS Upgrade (2)

Manufacturer Information

Manufacturer Name: L3Harris Technologies	Manufacturer Location: Greenville, TX
--	---------------------------------------

Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 2
--	------------------------------------

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Oct 2021	Oct 2022	Oct 2023	Oct 2024	Oct 2025	Oct 2026	Oct 2027
Delivery Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	4 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.000
FY 2023	- / -	- / -	8 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.000
FY 2024	- / -	- / -	- / -	6 / 2.000	- / -	6 / 2.000	- / -	- / -	- / -	- / -	- / -	6 / 2.000
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.000	- / -	- / -	- / -	- / -	2 / 1.000
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.000	- / -	- / -	- / -	2 / 1.000
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.000	- / -	- / -	2 / 1.000
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.000	- / -	2 / 1.000
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	4 / 2.000	8 / 2.000	6 / 2.000	- / -	6 / 2.000	2 / 1.000	2 / 1.000	2 / 1.000	2 / 1.000	- / -	26 / 10.000

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	1	1	1	1	-	2	5	1	1	2	2	1	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	0	26
Out	0	-	-	2	2	-	2	5	1	1	2	2	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	0	26

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
V02200 / CV-22 Mods

ID Code (A=Service Ready, B=Not Service Ready): 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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	525.111	226.962	153.026	153.006	-	153.006	164.495	165.656	158.238	161.531	3.998	1,712.023
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	525.111	226.962	153.026	153.006	-	153.006	164.495	165.656	158.238	161.531	3.998	1,712.023
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	525.111	226.962	153.026	153.006	-	153.006	164.495	165.656	158.238	161.531	3.998	1,712.023

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

Initial Spares (<i>\$ in Millions</i>)	7.697	10.525	2.254	3.989	-	3.989	-	-	-	-	-	24.465
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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. Each Service and Foreign Military Service participates in cost share for non-recurring engineering. The designed service life for the aircraft is 10,000 flying hours over 30 years. Program of record is 56 CV-22s.

Funding for this exhibit is contained in PE 0401318F.

Funding may be used to address Diminishing Manufacturing Source (DMS) and component obsolescence issues.

This funding may include emerging modification requirements to support Program Support Costs (PSC), Advisory and Assistant Service (A&AS), system integration lab, trainers, equipment and other government cost.

This program has associated RDT&E, AF funding in FY 2024 provides for systems engineering activities for Airframe Enhancements and Enhanced Self-Deployment Capabilities. FY 2024 RDT&E, AF funding continues to fund these efforts.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
V02200 / CV-22 Mods

ID Code (A=Service Ready, B=Not Service Ready): 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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 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-3a	8791 / Block 20 V2 (Capability Improvement)		A		- / 499.708	- / 223.963	- / 151.027	- / 148.007	- / 0.000	- / 148.007
P-3a	1 / Low Cost Modifications (Other)		A		- / 25.403	- / 2.999	- / 1.999	- / 4.999	- / 0.000	- / 4.999
P-40	Total Gross/Weapon System Cost				- / 525.111	- / 226.962	- / 153.026	- / 153.006	- / -	- / 153.006

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	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-3a	8791 / Block 20 V2 (Capability Improvement)		A		- / 159.496	- / 160.657	- / 153.239	- / 156.532	- / -	- / 1,652.629
P-3a	1 / Low Cost Modifications (Other)		A		- / 4.999	- / 4.999	- / 4.999	- / 4.999	- / 3.998	- / 59.394
P-40	Total Gross/Weapon System Cost				- / 164.495	- / 165.656	- / 158.238	- / 161.531	- / 3.998	- / 1,712.023

*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 primary modification budgeted in FY 2024 is the Block C/20 Upgrade.

8791/Block 20 upgrades consist of 3 major modification groups: 1) Capability; 2) Reliability; 3) Survivability. The Capability modification group includes 15 individual modifications. The Reliability modification group includes 24 individual modifications. Lastly, the Survivability modification group includes 2 individual modifications.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 Mods	Modification Number / Title: 8791 / Block 20 V2

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	499.708	223.963	151.027	148.007	0.000	148.007	159.496	160.657	153.239	156.532	-	1,652.629
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	499.708	223.963	151.027	148.007	0.000	148.007	159.496	160.657	153.239	156.532	-	1,652.629
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	499.708	223.963	151.027	148.007	0.000	148.007	159.496	160.657	153.239	156.532	-	1,652.629

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

Initial Spares (<i>\$ in Millions</i>)	7.697	10.525	2.254	3.989	-	3.989	-	-	-	-	-	24.465
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Funds the retrofit of fielded CV-22 aircraft, flight training systems, and systems integration laboratories to the Block C/20 configuration. Modifications encompass numerous engineering change proposals (ECP) that have, or will be placed on contract to address a variety of CV-22 weapon system requirements. Additionally, these funds implement production kits and other equipment resulting from related RDT&E projects in the CV-22 Block C/20 program, including nacelle modifications and enhanced self-deployment capabilities.

The Block C/20 modification program improves readiness, operational safety, suitability, and effectiveness, corrects deficiencies identified during operational testing and/or field operations, improves aircraft reliability/maintainability, enhances the aircraft's self-deployment capability, enables unrestricted access to worldwide airspace, and enhances the effectiveness of defensive aircraft survivability systems. Whenever possible, ECPs/kits are installed in blocks to minimize aircraft down time and maximize efficiency. Some ECPs/kits are being incorporated on aircraft as they progress through the production line. Individual P-3As indicate which modifications are implemented at the Contract Field Team (CFT) or Organizational/Intermediate levels. Installation schedules reflect only CFT installs.

Contractor Method of Implementation includes Contractor Field Team, Contractor Facility, and Organic/Intermediate due to this Block 20 Modification Item efforts having multiple mods and installation methods.

CV-22 modification A and B kit quantities do not match for multiple reasons, the primary reason is not all A kits require a corresponding B kit and many A kits include the required B kit.

Funds also modify and retrofit systems experiencing obsolescence and/or diminishing manufacturing source (DMS) issues, aircraft support equipment, training devices, flight simulators, flight test support, and software. Funding for DMS, flight test support, and software is included in the nonrecurring engineering cost category.

The CV-22 Capability Production Document was approved in Sep 2010.

Milestone/Development Status

Airframe Enhancements: Improvement of airframe structures, aircraft electro-mechanical hardware, and dynamic components to counteract the effects of structural fatigue and improve the durability and readiness of V-22 aircraft. Design, development, and testing of redesign support or loadbearing airframe elements to provide structural reinforcement and improved longevity. Enhanced armor protective performance with reduced weight and space impacts are a possible area for development. Airframe Enhancement funds also provide for refinements of hydraulic, landing gear, or fuel system component to improve and protect their performance. Items such as pumps, lines, tanks/reservoirs/bladders and/or struts may receive enhancements to extend their life and improve their maintainability. Finally, Airframe Enhancements explores improvements to all V-22 dynamic components, from rotor blades and heads to gearboxes and flight control surfaces with the goals of protecting them from vibrational and frictional wear and enhancing their reliability and readiness.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 Mods	Modification Number / Title: 8791 / Block 20 V2
ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:	
Enhanced Self-Deployment: Capabilities include improved ice protection, engine performance, navigation, communications, battle space awareness and airborne mission networking support; electronic warfare; weapons systems; defensive avionics systems and architecture; weight reduction initiatives; cyber security implementation; and changes to the underlying aircraft systems necessary to enable these capabilities.		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: V02200 / CV-22 Mods						Modification Number / Title: 8791 / Block 20 V2		
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:					
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 3: Capability												
A Kits												
Recurring												
Capability:INSTALL KITS Group A (Active)	114 / 9.560	47 / 4.282	68 / 10.096	- / -	- / -	- / -	146 / 26.222	118 / 33.152	86 / 20.852	62 / 45.000	- / -	641 / 149.164
Subtotal: Recurring	- / 9.560	- / 4.282	- / 10.096	- / -	- / -	- / -	- / 26.222	- / 33.152	- / 20.852	- / 45.000	- / -	- / 149.164
B Kits												
Recurring												
Capability:EQUIPMENT Group B (Active)	48 / 5.468	23 / 2.288	- / -	- / 15.054	- / -	- / 15.054	24 / 35.168	24 / 32.386	26 / 31.044	62 / 28.828	- / -	207 / 150.236
Subtotal: Recurring	- / 5.468	- / 2.288	- / -	- / 15.054	- / -	- / 15.054	- / 35.168	- / 32.386	- / 31.044	- / 28.828	- / -	- / 150.236
Subtotal: Capability	- / 15.028	- / 6.570	- / 10.096	- / 15.054	- / -	- / 15.054	- / 61.390	- / 65.538	- / 51.896	- / 73.828	- / -	- / 299.400
Modification Item 2 of 3: Reliability												
A Kits												
Recurring												
Reliability:INSTALL KITS Group A (Active)	55 / 1.126	148 / 10.452	201 / 63.685	- / -	- / -	- / -	94 / 3.327	107 / 3.237	97 / 3.237	- / -	- / -	702 / 85.064
Subtotal: Recurring	- / 1.126	- / 10.452	- / 63.685	- / -	- / -	- / -	- / 3.327	- / 3.237	- / 3.237	- / -	- / -	- / 85.064
B Kits												
Recurring												
Reliability:EQUIPMENT Group B (Active)	15 / 49.571	29 / 134.282	43 / 10.703	30 / 45.055	- / -	30 / 45.055	- / 19.814	- / 24.690	- / 39.891	- / -	- / -	117 / 324.006
Subtotal: Recurring	- / 49.571	- / 134.282	- / 10.703	- / 45.055	- / -	- / 45.055	- / 19.814	- / 24.690	- / 39.891	- / -	- / -	- / 324.006
Subtotal: Reliability	- / 50.697	- / 144.734	- / 74.388	- / 45.055	- / -	- / 45.055	- / 23.141	- / 27.927	- / 43.128	- / -	- / -	- / 409.070
Modification Item 3 of 3: Survivability												
A Kits												
Recurring												
Survivability:INSTALL KITS Group A (Active)	- / -	5 / 4.000	8 / 0.055	13 / 0.067	- / -	13 / 0.067	16 / 0.069	8 / 0.071	- / -	- / -	- / -	50 / 4.262
Subtotal: Recurring	- / -	- / 4.000	- / 0.055	- / 0.067	- / -	- / 0.067	- / 0.069	- / 0.071	- / -	- / -	- / -	- / 4.262
B Kits												
Recurring												
Survivability:EQUIPMENT Group B (Active)	15 / 14.750	- / -	- / 6.300	6 / 8.116	- / -	6 / 8.116	- / 17.520	- / 8.000	- / -	- / -	- / -	21 / 44.686
Subtotal: Recurring	- / 14.750	- / -	- / 6.300	- / 8.116	- / -	- / 8.116	- / 17.520	- / 8.000	- / -	- / -	- / -	- / 44.686
Subtotal: Survivability	- / 14.750	- / 4.000	- / 6.355	- / 8.183	- / -	- / 8.183	- / 7.589	- / 8.071	- / -	- / -	- / -	- / 48.948

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: V02200 / CV-22 Mods						Modification Number / Title: 8791 / Block 20 V2		
ID Code (A=Service Ready, B=Not Service Ready) : A							MDAP/MAIS Code:					
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<i>Subtotal: Procurement, All Modification Items</i>	- / 80.475	- / 155.304	- / 90.839	- / 68.292	- / -	- / 68.292	- / 92.120	- / 101.536	- / 95.024	- / 73.828	- / -	- / 757.418
Support (All Modification Items)												
GROUP B: TOTAL NONRECURRING	- / 228.234	- / 16.975	- / 13.619	- / 27.250	- / -	- / 27.250	- / 17.418	- / 13.608	- / 15.817	- / 16.817	- / -	- / 349.738
PSC - Contractor Services	- / 140.979	- / 17.500	- / 16.455	- / 16.678	- / -	- / 16.678	- / 6.500	- / 7.000	- / 6.898	- / 9.189	- / -	- / 91.199
Mod of Spares	- / 13.956	- / 14.200	- / 12.225	- / 12.500	- / -	- / 12.500	- / 1.578	- / 1.400	- / 1.500	- / 1.500	- / -	- / 18.859
Data	- / 123.496	- / 16.660	- / 16.622	- / 16.567	- / -	- / 16.567	- / 13.943	- / 18.000	- / 18.000	- / 13.606	- / -	- / 86.894
SIM/TRAINER	39 / 43.973	5 / 3.000	5 / 3.518	7 / 12.750	- / -	7 / 12.750	5 / 2.500	5 / 2.500	- / 2.500	- / 2.500	- / -	66 / 73.241
SUPPORT-EQUIP	- / 127.223	- / 19.249	- / 18.459	- / 17.845	- / -	- / 17.845	- / 12.500	- / 9.000	- / 9.000	- / 9.000	- / -	- / 92.276
OTHER GOVT	- / 144.938	- / 15.950	- / 14.492	- / 15.491	- / -	- / 15.491	- / 3.000	- / 3.000	- / 4.000	- / 5.000	- / -	- / 75.871
<i>Subtotal: Support</i>	39 / 412.799	5 / 53.534	5 / 45.390	7 / 69.081	- / -	7 / 69.081	5 / 57.439	5 / 44.508	- / 47.715	- / 57.612	- / -	66 / 788.078
Installation												
Modification Item 1 of 3: Capability	48 / 3.758	10 / 4.251	13 / 4.095	- / -	- / -	- / -	24 / 9.937	24 / 14.613	26 / 10.500	62 / 25.092	- / -	207 / 72.246
Modification Item 2 of 3: Reliability	15 / 2.676	29 / 5.678	43 / 10.703	30 / 9.458	- / -	30 / 9.458	- / -	- / -	- / -	- / -	- / -	117 / 28.515
Modification Item 3 of 3: Survivability	- / -	15 / 5.196	- / -	6 / 1.176	- / -	6 / 1.176	- / -	- / -	- / -	- / -	- / -	21 / 6.372
<i>Subtotal: Installation</i>	63 / 6.434	54 / 15.125	56 / 14.798	36 / 10.634	- / -	36 / 10.634	24 / 9.937	24 / 14.613	26 / 10.500	62 / 25.092	- / -	345 / 107.133
Total												
Total Cost (Procurement + Support + Installation)	499.708	223.963	151.027	148.007	0.000	148.007	159.496	160.657	153.239	156.532	-	1,652.629

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 Mods	Modification Number / Title: 8791 / Block 20 V2
---	---	---

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

Modification Item 1 of 3: Capability

Manufacturer Information

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

Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 7
--	------------------------------------

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021			Dec 2024	Dec 2025	Dec 2026	Dec 2027
Delivery Dates	Jul 2022			Jul 2025	Jul 2026	Jul 2027	Jul 2028

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	48 / 3.758	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 3.758
FY 2022	- / -	10 / 4.251	13 / 4.095	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 8.346
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	24 / 9.937	- / -	- / -	- / -	- / -	24 / 9.937
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 14.613	- / -	- / -	- / -	24 / 14.613
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 10.500	- / -	- / -	26 / 10.500
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	62 / 25.092	- / -	62 / 25.092
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	48 / 3.758	10 / 4.251	13 / 4.095	- / -	- / -	- / -	24 / 9.937	24 / 14.613	26 / 10.500	62 / 25.092	- / -	207 / 72.246

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	48	3	3	2	2	3	3	4	3	-	-	-	-	6	6	6	6	6	6	6	6	6	6	6	8	20	19	23	-	0	207
Out	36	12	6	4	6	5	6	7	5	-	-	-	-	6	6	6	6	6	6	6	6	5	5	-	-	6	20	16	20	0	207

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 Mods	Modification Number / Title: 8791 / Block 20 V2
---	---	---

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

Modification Item 2 of 3: Reliability

Manufacturer Information

Manufacturer Name: Various Manufacturer Location: Various

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 7

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Dec 2021	Dec 2022	Dec 2023				
Delivery Dates	Jul 2022	Jul 2023	Jul 2024				

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	15 / 2.676	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 2.676
FY 2022	- / -	29 / 5.678	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 5.678
FY 2023	- / -	- / -	43 / 10.703	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / 10.703
FY 2024	- / -	- / -	- / -	30 / 9.458	- / -	30 / 9.458	- / -	- / -	- / -	- / -	- / -	30 / 9.458
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	15 / 2.676	29 / 5.678	43 / 10.703	30 / 9.458	- / -	30 / 9.458	- / -	- / -	- / -	- / -	- / -	117 / 28.515

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	15	8	8	8	5	14	14	15	-	7	7	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	117
Out	7	8	8	8	8	5	14	14	15	7	7	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	117

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 Mods	Modification Number / Title: 8791 / Block 20 V2
---	---	---

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

Modification Item 3 of 3: Survivability

Manufacturer Information

Manufacturer Name: Various Manufacturer Location: Various

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 7

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Dec 2023				
Delivery Dates			Jul 2024				

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	15 / 5.196	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 5.196
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	6 / 1.176	- / -	6 / 1.176	- / -	- / -	- / -	- / -	- / -	6 / 1.176
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	15 / 5.196	- / -	6 / 1.176	- / -	6 / 1.176	- / -	- / -	- / -	- / -	- / -	21 / 6.372

Installation Schedule

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	7	5	3	-	-	-	-	-	1	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	21
Out	0	-	7	5	3	-	-	-	-	1	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	21

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5	P-1 Line Item Number / Title: V02200 / CV-22 Mods	Modification Number / Title: 1 / Low Cost Modifications
---	---	---

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	25.403	2.999	1.999	4.999	0.000	4.999	4.999	4.999	4.999	4.999	3.998	59.394
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	25.403	2.999	1.999	4.999	0.000	4.999	4.999	4.999	4.999	4.999	3.998	59.394
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	25.403	2.999	1.999	4.999	0.000	4.999	4.999	4.999	4.999	4.999	3.998	59.394

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

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

Description:

This funds low cost modifications for CV-22 weapon system and training devices that are necessary to maintain operational safety, suitability, and effectiveness.

Milestone/Development Status

N/A

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 **P-1 Line Item Number / Title:** V02200 / CV-22 Mods **Modification Number / Title:** 1 / Low Cost Modifications

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

Models of Systems Affected: CV-22 **Modification Type:** Other **Related RDT&E PEs:** 0401318F

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1:</i> LCM												
A Kits												
Recurring												
LCM:INSTALL KITS Group A (Active)	0 / 25.403	- / 2.999	- / 1.999	- / 4.999	- / -	- / 4.999	- / 4.999	- / 4.999	- / 4.999	- / 4.999	- / 3.998	0 / 59.394
<i>Subtotal: Recurring</i>	- / 25.403	- / 2.999	- / 1.999	- / 4.999	- / -	- / 4.999	- / 4.999	- / 4.999	- / 4.999	- / 4.999	- / 3.998	- / 59.394
<i>Subtotal: LCM</i>	- / 25.403	- / 2.999	- / 1.999	- / 4.999	- / -	- / 4.999	- / 4.999	- / 4.999	- / 4.999	- / 4.999	- / 3.998	- / 59.394
<i>Subtotal: Procurement, All Modification Items</i>	- / 25.403	- / 2.999	- / 1.999	- / 4.999	- / -	- / 4.999	- / 4.999	- / 4.999	- / 4.999	- / 4.999	- / 3.998	- / 59.394
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	25.403	2.999	1.999	4.999	0.000	4.999	4.999	4.999	4.999	4.999	3.998	59.394

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2024 Air Force						Date: March 2023	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5			P-1 Line Item Number / Title: V02200 / CV-22 Mods			Modification Number / Title: 1 / Low Cost Modifications	
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:		
Modification Item 1 of 1: LCM							
Manufacturer Information							
Manufacturer Name: Bell-Boeing				Manufacturer Location: Amarillo TX			
Administrative Leadtime (<i>in Months</i>): 0				Production Leadtime (<i>in Months</i>): 0			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 0		